



#### Unclassified

SECRETY OF ASSILICATION OF THIS PAGE (Minn Data Latered)

REPORT DOCUMENTATION PAGE	SE	READ INSTRUCTIONS HEFORE COMPLETING FORM
1. REPORT NUMBER 2. G	OVE ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
Summary of Meteorological Observation (SMOS) Miramar, CA	ns, Surface	Reference report 1947-197
7. AUTHOR(s)		B. CONTRACT OR GRANT NUMBER(*)
N/A		or continuor on onnine nome of
9. PERFORMING ORGANIZATION NAME AND ADDRESS Naval Weather Service Detachment Federal Building Asheville, N. C. 28001		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
Director, Naval Oceanography and Met	vorology	July 1978
National Space Technology Laboratorio		13. NUMBER OF PAGES
NSTL Station, MS 39529	126	358
14. MONITORING AGENCY NAME & ADDRESS(II dillerent from	n Controlling Office)	Unclassified
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report)		ACCESSION for
Approved for public release; distribution of the abstract entered in Bi		UMANNOUNCED JUSTIFICATION BY
		DISTRIBUTION/AVAILABILITY CODES  Dist. AVAIL and or SPECIAL
18. SUPPLEMENTARY NOTES		A
19. KEY WORDS (Continue on reverse elde II necessary end ide Climatology, surface wind, temperature relative humidity, station pressure, daily temperature, weather conditions facility, coastal region, snow depth,	re, precipitat extreme tempe , monthly cli	tion, ceiling, visibility, eratures, sea level pressure, imatology, Naval shore
This data report consists of a six part weather observations. The six parts Atmospheric Phenomena, Part B - Precipart C - Surface Winds, Part D - Ceil Part E - Psychrometric Summaries, Part	art statistica are: Part A pitation/Snow ing versus Vi	al summary of surface - Weather Conditions/ vfall/Snow Depth, isibility/ Sky Cover.

Ľ	STATION NE	STATION NO ON SUMMARY	STATION NAME:		1 ATITUDE	100	OMGITION	STATION SI EV (FT.)	CALLEGE	WALL WAS	3
	93	93107	Miramar, California		32°52'N		117°08'W	477	KNKX		
			STATION LOCATION		D IN	STRUN	AND INSTRUMENTATION		HISTORY	_	
	NUMBER OF BARD		TYPE OF TAXABLE AND TAXABLE OF TA	-	AT THIS LOCATION	NO.	- ATITUDE	3011300	ELEVATION ABOVE USL	BOVE WSL	280
-1	LOCATION		IS		FROM	10			1334	TYPE BAROMETER	24.0
	1.	Weather Moved to	Weather service office  Moved to new office in operations		1949 1953	1953 1957	32°52'N	117°08'W	473	Mercurial "	
	. 4	Resurveyed	Resurveyed New barometer ML 512/GM	AA	1957 1968	1968		= =	459 459		24 24
	1a.	Weather	Weather service office					=	197	Aneroid	24
					•						
<u> </u>	NUMBER	DATE	SURFACE WIND EQUIPMENT INFORMATION	NFORMATIO							
	OF	CHANGE	LOCATION	-	TYPE OF	TYPE OF RECORDER	HT ABOVE GROUND	REMARKS, ADDIT	TONAL EQUIPMENT,	REMARKS, ADDITIONAL EQUIPMENT, OR PEASON FOR C-ANGE	35
	1a.	1949	18' mast,	250' A	Aerovane Selsyn	Double	47 50	1. Barograph 2. Auto met	station (	Barograph Auto met station (AN/GMQ-29)	
	.5.	1953	from weather office New transmitter installed		::		50,		Ceiling light (ML-121) Cloud height set (AN/C	set (AN/GMQ-13D)	6
		1953	Kool of operations tower 1000' north of operations building (125,211ed)	lng	:	:			Inecdolite (snore type) Transmissometer (AN/CMC	Inecoclite (snore type) Transmissometer (AN/GMQ-10)(2	(2 ea)
		1957	1000' north of operations building		UMQ-5C	RD-108	22'		(111)		
	8.	1968	Top of control tower 2700 feet southwest of weather office		UMQ-5С UMQ-5	RD-108 RO-447/ GMQ-29	65,				
	NWSD, Fe	NWSD, Federal Building Asheville, N. C.	Building	1	23	0		9 0	033		

D

# SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DIRNAVOCEANMET 1tr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SMOS production and updating:

- Ten years of data will be used as the standard period of record (POR).
- All available data will be used for extreme values.
- 3. Summarize (update) every five years.
- 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1977 a. Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. will be included for extreme values.
- b. The update in 1983 will include the POR 1973 through 1982, with all available data through 1982
- c. The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.
- d. In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for

Each standard POR (10 years) summary should be retained by individual stations along with the SMOS pre-pared in 1973. The retention of these summaries will provide the most comprehensive climatological file

<u>DESCRIPTION</u>: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some . Questionable values will most likely be single occurrences shown by a percentage fre-(This value indicates a percent less than ".05," which, in most cases, reflects a single Since most stations summarized now have in excess of 10,000 3-hourly observations, the reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect occurrence of an occasional spurious value should not in itself be considered significant. Every effort COMMENT: All observations summarized in this tabulation have been computer edited for consistency and is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Mayal Weather Service Detachment (MWSD), Asheville, N. C. welcomes your comment and criticisms. could be valid. quency of ".0". observation.)

The second secon

#### PART A

#### WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

- .. By month and annual, all hours and years combined.
- By month and annual, all hours and years combined, by wind direction.
- 3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

more of the above phenomen occurred. Since more than one type of precipitation may be reported in the same Percentage of observations with precipitation - Included in this category are the observations when one or observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility. Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage

The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices. NOTE:

#### PART A

# ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

may occur in the same daily observation, the sum of the values in the individual columns may not equal the centage of observations. Since more than one type of precipitation or more than one type of obstruction The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "\$ OF OBS WITH PRECIP" and "\$ OF OBS WITH OBST TO VISION" show the percentage of days rather than per-

This presentation is by month with annual totals, and is prepared with all years combined.

A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later. NOTE:

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points Percentage Prequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences. 0 0

## WEATHER CONDITIONS

MIRAMAR, CALIFORNIA

0 0 0 0

0

0

0

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	10		6.5				6.5	7.7	3.9			11.6	155
	40		20.00				5.8	7.7	4.5			12.3	155
	07		4.5				4.5	5.2	7.1			11.6	155
	10		4.5				4.5	3.9	0.6			12.3	155
	13		6.5				6.5	1.9	14.8			16.1	155
	16		4.5				4.5	103	18.1			18.7	155
	19	9.	6.5				6.5	4.5	11.6			14.8	155
	22		8.4				4.6	6.5	10,3			15.5	155
TOTALS	1		5.9				5.9	4.8	6.6			14.1	1240

93107 MIRAHARS CALIFORNIA STATION NAME

0

0

73-77

YEARS

FEB.

1

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	141	141	141	141	141	141	141	141		1128
% OF OBST WITH OBST TO VISION	24.1	23.4	30.5	27.0	22.7	26.2	21.3	23.4		24.8
AND/OR SAND										
BLOWING										
SMOKE AND/OR HAZE	7.1	7.8	15.6	23.4	22.0	22.7	13.5	8		15.1
FOG	18.4	17.7	6.4 21.3	6.4	2.1	5.0 22.7	9.2	17.0		6.0 12.1 15.1
% OF OBS WITH PRECIP.	9.2 18.4	7.8	4.9	5.0	4.3	4.3	3.5	7.8		0.9
HAIL										
SNOW AND/OR SLEET										
FREEZING RAIN &/OR DRIZZLE										
RAIN AND/OR DRIZZLE	9.5	7.8	4.9	5.0	4.3	4.3	6	7.8		0.0
THUNDER- STORMS										
HOURS (L.S.T.)	10	40	07	10	13	16	19	22		
МОМТН	т со									TOTALS

93107 MIRAMAR, CALIFORNIA

3-77

YEARS

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

0

HUNDER NAME REEDING STOWN SOFT TO ASSOCIATE POST STORY STORY AND OF WITH ORSE STORY	МОМТН	X.A.K										TOTALS
AND RESIDENCE SHOW HAIT OSS WITH FOO AND RESIDENCE SHOWN AND OSS WITH FOO	HOURS (L.S.T.)	10	50	10	10	13	91	19	22			
AND RESIDENCE SHOW HAIT OSS WITH FOO AND RESIDENCE SHOWN AND OSS WITH FOO	THUNDER. STORMS											
Show Aul 085 with Foc And/OR BLOWING AND/OR WITH OBST THECIP.  5.8 9.7 9.7 9.7 16.1 16.1 16.1 16.1 16.1 16.1 16.1 16		4.5	5.6	7.1	7.1	5.2	5.2	5.6	100			4.8
#AII OBS WITH FOG AND/OR BLOWING DUST % OF OBS WITH POST HAZE SNOW SAND TO VISION OF SNOW SAND TO VISION WITH OBST TO	FREEZING RAIN &/OR DRIZZLE											
5.8 5.7 6.5 10.3 SWITH FOG SWORE BLOWING AND/OR WITH OBST HAZE SNOW SAND TO VISION TO VISION TO 11.0 T	SNOW AND/OR SLEET											
FOG AND/OR SHOW SAND TO VISION AND/OR WITH OBST SHOW SAND TO VISION 10.3 8.4 16.1 16.1 16.1 16.1 16.1 16.1 16.1 16	HAIL											
10.3 8.4 16.1 16.1 16.1 16.1 16.2 16.3 8.4 16.1 16.1 16.1 16.1 16.1 16.1 16.1 16	% OF OBS WITH PRECIP.	4.5	25.08	7.1	7.1	8.2	5.2	2.6	5.8			5.4
SMOKE BLOWING AND/OR WITH OBST AND/OR WITH OBST HAZE SHOW SAND TO VISION 11.00  11.00  20.00  20.00  21.3  9.7  11.65  11.65  10.3  6.5  11.3  11.3		10.3	7.6	11.6	1.9	9.	9.	9.	5.2			
AND/OR WITH OBST SAND TO VISION 16.1 16.1 16.1 16.1 16.1 16.2 16.3 10.3 10.3 10.3 10.3 10.3 10.3 10.3 10	SMOKE AND/OR HAZE	-		11.0	20.0	13.5		6.7	6.5			11.3
21.3 21.3 10.3 10.3 15.7 1	BLOWING									1		
262	AND/OR SAND				90							-
155 155 155 155 155 155 155 155 155 155	% OF OBST WITH OBST TO VISION	16.1	16.1	21.3	21.3	14.2	12.3	10.3	10.3		1 1	15.2
	NO. OF	155	155	155	155	155	155	155	155			1240

8

3

93107 MIRAMAR, CALIFORNIA

0

0

0

0

73-7

3-77

7

12485

APE

PERCENTAGE FREQUENCY OF OCCURRENCE OF MEATHER CONDITIONS FROM HOURLY OBSERVATIONS

		T	T		T	T			1	TT	
NO. OF OBS.	150	149	150	150	150	150	150	150			1199
% OF OBS WITH OBST TO VISION	18.0	18.8	31.3	26.0	18.7	18.0	16.7	13.3			20.1
AND/OR SAND		-									
BLOWING											
SMOKE AND/OR HAZE	14.7	10.7	20.7	25.3	18.7	17.3	16.0	12.0			16.9
500	7.3	6.7 11.4	4.0 16.0	3.3		7.	1.3	3.3			5.4
% OF OBS WITH PRECIP.	0.0	6.7	4.0	3,3	2.0	2.7	3.3	3.3			3.9
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE										and the second	
RAIN AND/OR DRIZZLE	0.9	6.7	0.4	3.3	2.0	2,7	3.3	3,3			3.9
THUNDER. STORMS											
HOURS (LS.T.)	10	40	20	10	13	16	19	22			
МОМТН	APR									TOTALS	

## WEATHER CONDITIONS

MIRAMAR, CALIFORNIA

0

0

(0.

0

0

0

40

73-77

YEARS

₩А У шонти

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM MOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER. STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	Pog	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
HAY	10	9.	7.1				7.1	16.1	25.2			38.7	155
	50	9.	10.3				10.3 21.9	21.9	23.2			41.3	155
	0.7		7,1				7,1	7.1 25.2	36.8			56.8	155
	10		2.6				2.6	4.5	44.5			47.1	155
	13		1.3				1.3	1.9	34.8			36.8	155
	16		9.				9.	1.3	32.9			33.5	155
	61		9.				9.	3.2	35.5			36.8	155
	22		7.7				7.7	0.6	29.0			36.1	155
TOTALS							r	3				0	9701
		70	4.1					4. ( 10.4 32.1	36.1			40.4	1240

42

(1)

MIRAHAR, CALIFORNIA 93107 STATION

73-77

S C Z

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	150	150	150	150	150	150	150	150		1200
% OF OBS WITH OBST TO VISION	53.3	0.09	74.0	62.0	44.0	43.3	40.0	0.44		52.6
DUST AND/OR SAND										
BLOWING										
SMOKE AND/OR HAZE	39.3	39.3	58.0	61.3	0.44	43.3	0.04	38.7		45.5
FOG	18.7	28.0	28.7	1.3			.7	8.7		1.6 10.8
% OF OBS WITH PRECIP.	2.0	2.0	4.7				7.	2.7		1.6
HAIL										
SNOW AND/OR SLEET										
FREEZING RAIN &/OR DRIZZLE										
RAIN AND/OR DRIZZLE	2.0	2.0	4.7				7.	2.7		1.6
THUNDER- STORMS										
HOURS (L.S.T.)	10	04	07	10	13	16	19	22		
МОМТН	JUN									TOTALS

## WEATHER CONDITIONS

MIRAMAR, CALIFORNIA 93107

0

0

73-77

JUL

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF MEATHER CONDITIONS FROM HOURLY OBSERVATIONS

NO. OF OBS.	155	155	155	155	155	155	155	155			1240
% OF OBS WITH OBST TO VISION	58.1	65.2	7.18	64.5	41.9	34.2	41.9	45.2			54.8
AND/OR SAND											
BLOWING											
SMOKE AND/OR HAZE	48.4	0.64	71.6	1.9 63.2	41.9	34.2	41.3	41.3			48.9
FOG	1.3 15.5 48.4	1.9 25.8	1.9 32.9 71.6	1.9			103 4103	741			1.0 10.6 48.9
% OF OBS WITH PRECIP.	1,3	1.9	1.9	9.		9.	9.	1.3			1.0
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE									<b>X</b>		
RAIN AND/OR DRIZZLE	1.3	1.9	1.9	9.		9	9.	1.3			1.0
THUNDER- STORMS											
HOURS (L.S.T.)	10	40	20	10	13	16	19	22			1
МОМТН	JUL										TOTALS

MIRAMAR, CALIFORNIA 93107 STATION

0

0

0

0

73-77

YEARS

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM MOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER. STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	50	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	NO. OF OBS.
AUG	10	9.	1.3				1.3	1.3 18.1 44.5	44.5			56.1	155
	60		9.				9.	36.1	43.9			67.7	155
	07		9.				9.	38.1 58.7	58.7			76.8	155
	10		9.				9.	1.9	58.7			9.09	155
	13		9.				9.		47.1			47.1	155
	16		9.				9.	9.	36.8			37.4	155
	18		1.3				1.3	2.6	2.6 45.2			47.1	155
	22	9.	9.				9.	8.4	44.5			50.3	155
TOTALS		`	80				80	13.2 47.4	47.4			55.4	1240

MIRAMARS CALIFORNIA STATION NAME

73-77

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DRSERVATIONS

0

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	50	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	10		1.3				1.3	14.0	38.0			46.7	150
	90		2.7				2.7	2.7 20.7	36.7			52.7	150
	07		4.7				4.7	22.7	46.7			62.0	150
	10	.7	2.0				2.0	2.0	50.0			51.3	150
	13		1.3				1.3	2.0	0.04			40.7	150
	16	.,	7.				.,	7.	40.0			40.7	150
	19		1.3				1,3	1.3	38.0			38.7	150
	22		2.0				2.0	8.0	34.0			40.0	150
				X									
TOTALS		.2	2.0				2.0	8.9	40.4			46.6	1200

DCT

WEATHER CONDITIONS

73-77 HIRAMAR, CALIFORNIA

RCENTAGE	FREQUENCY	PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER	OF WEATHE
CUNDI	TINK FROM	CONDITIONS FROM MOURILY DREERVATIONS	ATIONS

TOTAL NO. OF OBS.	155	155	155	155	155	155	155	155		1240
% OF OBS WITH OBST TO VISION	40.0	43.2	45.2	46.5	37.4	37.4	30.3	34.2		39.3
DUST AND/OR SAND										
BLOWING										
SMOKE AND/OR HAZE	20.6	21.3	27.1	44.5	37.4	36.8	26.5	20.6		29.4
606	2.6 21.3 20.6	25.8	1.3 23.2 27.1	5.6		1.9	5.8	1.3 15.5 20.6		2.0 12.0 29.4
% OF OBS WITH PRECIP.	2.6	3.9	1,3	3.9	1.3	1.3	9.	1.3		2.0
HAIL										
SNOW AND/OR SLEET										
FREEZING RAIN &/OR DRIZZLE										
RAIN AND/OR DRIZZLE	2.6	3.9	1.3	3.9	1.3	1.3	9.	1.3		2.0
THUNDER- STORMS						9.				1.
HOURS (L.S.T.)	01	50	10	10	13	16	19	22		
МОМТН	OCT									TOTALS

2

0

4

4

. 3

MIRAMAR, CALIFORNIA

NOV

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF MEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	% OF SWOKE BS WITH FOG AND/OR PRECIP.  2.7 15.3 14.0	SMOKE AND/OR HAZE	BLOWING	AND/OR SAND	~	% OF OBST WITH OBST TO VISION
	60		4.7				4.7	14.7	12.0			1	22.7
	0.1		2.7				2.7	2.7 14.0 16.0	16.0				27.3
	10		7.2				2.7	5.3	20.02				24.7
	13		3.3				3.3	2.0	20.02			~	21.3
	91		2.0				2.0	2.0	21.3			2	22.7
	19		2.7				2.7	2.7 10.0 17.3	17.3			2	22.7
	22		3,3				3.3	10.7	16.7			2	25.3
TOTALS		4	3.0				3.0	9.3 17.2	17.2			2	24.0 1200

## WEATHER CONDITIONS

STATION MIRAMAR, CALIFORNIA STATION MANE

0

0

Q

0.

0

0

0

0

0

73-77

YEARS

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DRSERVATIONS

TOTAL NO. OF OBS.	155	155	155	155	155	155	155	155	*			1240
% OF OBS WITH OBST TO VISION	27.1	21.3	20.6	25.2	23.2	27.1	23.9	23.9		*		24.0
DUST AND/OR SAND												
BLOWING												
SMOKE AND/OR HAZE	13.5	7.6	10.3	21.3	.6 23.2	24.5	9.7 15.5	15.5				8.6 16.7
FOG	16.1 13.5	12.3	12.3 10.3	4.5	9.	3.9	7.6	4.6				8.6
% OF OBS WITH PRECIP.	6.5	3.9	5.8	1.9	5.6	3,2	9.	3.9				3.6
HAIL												
SNOW AND/OR SLEET												
FREEZING RAIN &/OR DRIZZLE												
RAIN AND/OR DRIZZLE	6.5	3.9	5.8	1.9	2.6	3.2	9.	3.9				3.6
THUNDER. STORMS												
HOURS (LS.T.)	10	90	10	10	13	16	19	22				
MONTH	<b>330</b>											TOTALS

## WEATHER CONDITIONS

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DRSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	AND/OR SAND	% OF OBS WITH OBST TO VISION	NO. OF OBS.
JAN	ALL	.1	5.9				5.9	4.8	6.6			14.1	1240
F E8		-1	0.9			-	0.0	12.1	15.1			24.8	1128
MAR			5.4				5.4	5.1	11.3		-	15.2	1240
APR			3.9				3.9	5.4	16.9			20.1	1199
MAY		.2	4.7				4.7	10.4	32.7			6.04	1240
NOC			1.6				1.6	1.6 10.8	45.5			52.6	1200
JUL			1.0				1.0	10.6	48.9			54.8	1240
AUG		2.	80				. 8	13.2 47.4	47.4			55.4	1240
SEP		•2	2.0				2.0	8.9	40.4			46.6	1200
130		•	2.0				2.0	2.0 12.0	4.62			39.3	1240
NON			3.0				3.0	9.3	17.2		-	24.0	1200
DEC			3.6				3.6	8.6	16.7			24.0	1240
TOTALS		,	3.3				3.3	9.3	9.3 27.6		0	34.3	14607

=

#### WEATHER CONDITIONS ATMOSPHERIC PHENDMENA

MIRAMAR, CALIFORNIA

93107 STATION

49-77

YEARS

ALL

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

TOTAL NO. OF OBS.	899	916	899	840	808	0+0	893	893	865	882	870	899	10464
% OF OBS WITH OBST TO VISION	39.5	***	43,3	45.4	9116	69.6	84.5	78.4	70.1	59.6	48.3	42.8	56.1
AND/OR SAND			-		-					1.	.1		0.
SNOW												7	0.
SMOKE AND/OR HAZE	30.3	35.4	36.0	36,5	46.1	63.3	19.4	74.4	63.9	55.0	41.3	34.6	49.7
50	29.0	32.6	6.87	30.8	33,3	44.5	50.8	46.8	43.9	39.9	35.9	30.8	37.4
% OF OBS WITH PRECIP.	29.6	28.7	30.5	29.6	25.7	20.7	8.0	7,5	13.5	18.1	25.22	24,2	21.5
HAIL	5.	0	1.2	\$	7					7		*	*
SNOW AND/OR SLEET	2.			.2								1.	0
FREEZING RAIN &/OR DRIZZLE													
RAIN AND/OR B DRIZZLE	29.6	28.7	30.4	29.6	25.7	20.7	0.	7,5	13.5	18.1	22.2	24.2	21.9
THUNDER. STORMS		103	100	4.	.3	*	6.	1.2	100	1.8	101	9	1.0
HOURS (LS.T.)	DAILY												
МОМТН	NAN	100	MAR	APR	MAY	NOP	100	AUG	SEP	130	ADA	DEC	TOTALS

ALL	HOURS (L.S.T.)
JANDARY	T 1207
JAN 1973 - DEL 1917	YEARS
MIRAMAR, CALIFORNIA	
93107	NOTATION

WEATHER	10.4	95.0	10.6	2066	93.5	88.9	11.9	0.01	0000	15.8	2 60	15.9	17.0	2.28	9681	16.1		X	1006	1010
SEOWING SAND AND DUST																		M		
BLOWING																		$\bigvee$		
SMOKE	18:3	8:7	17.90	312	412	010	6 . 3	1210	13:0	3,0	6115	1012	1413	2625	1111	9697		N N	111	
GROUND FOG					161	2,0				3,0									•	
502	6.9	669	512		111	210	6 6 9	2,0	614	61.1	111	617		- 1 .		, ; ,		Y	4	
THUNDER																		X	-	1.
HAIL SMALL HAIL																		M		
SNOW GRAINS PELLETS SHOWERS																		M		
SLEET " SHOWERS ICE CRYSTALS																		M		
FREEZING RAIN FREEZING DRIZZLE																		$\bigvee$		
DRIZZLE	1.4				*		3,1		1,9	3.0		306	1,6	1:1				$\bigvee$	£	9.
RAIN	2.8		6.6			1.0	12.5	0.0	-		11.9	3.4	1.6	1.1	5.9			X	39	3.1
N N		2.2		1.0		3.0	3.1	8.0	10.6	3.0	3.6	3.4		2.2				Z A	27	2.2
WIND	z	NNE	NE	ENE	E	ESE	SE	SSE	s	SSW	SW	WSW	*	WNW	*×	MNN	VARIABLE	CALM	TOTAL	% TOTAL

TOTAL NUMBER OF OBSERVATIONS

1,240

Merr

ALL	HOURS (L.S.T.)
FEBRUARY	H L NON
JAN 1973 - DEG 1777	ST RE WILL
MIRAMAR, CALIFORNIA	STATION NAME
93107	STATION

NEATHER	7.00	72.7	70.5	80.08	4.78	0.40	03.4	63.4	20.0	53.0	1.00	03.0	600	600	000	100		X	803	2011
SAND SAND AND DUST																		$\bigvee$		
BLOWING																		$\bigvee$		
SMOKE	1190	116	0167	700	0 .	010		7 6 7	1310	411	9 1 6 7	1 6 9 7	6113	9117	0167	1110		X	109	13:00
ICE FOG GROUND FOG	4.2	116		101	662	317	4.0											X	5	101
50	1710	2310		11	210	213	9 4 4 0		1310	1163	7930	91.0	210	215		1917		× × ×	1	6101
THUNDER									2.1									$\bigvee$	-	•
HAIL SMALL HAIL																		M		
SNOW GRAINS PELLETS SHOWERS																		M		
SLEET S SHOWERS ICE CRYSTALS																		M		
FREEZING RAIN FREEZING DRIZZLE																		M		
DRIZZLE					001	767			3.			30 5	767			1.0		Š \	01	•
RAIN					•	1.6	9.6	5.4	12.3	10.3			202		1:1			V	23	2.0
RAIN							9.8	6	13.8	12.8	6.6	0	767	70.5				¥	80	3.1
WIND	z	NNN	N.	ENE	3	ESE	SE	SSE	s	SSW	NS.	WSW	*	*××	WN	MNN	VARIABLE	CALM	TOTAL	% TOTAL

2

TOTAL NUMBER OF OBSERVATIONS

1, 128

NAVWEASERVCOM

HARCH	111000
JAN 1973 - DEC 1977	0.04.11.1
HIRAMAR. CALIFORNIA	STATION HAME
93107	STATION

NO	68.4	15.0	13.3	9006	93.8	05.7	11.0	6000	57.9	17.6	(303	18.0	88.5	1010	100	100		X	166	400
SAND SAND AND DUST										7.6.7								$\bigvee$	-	•
BLOWING																		M		
SMOKE	8 5 2 7	41.1	1313		*	3 : 0				1531	1393	010	200	0 4 2 7	4 7 4	4 6 5 4		2	140	1113
ICE FOG GROUND FOG		3,6		301	3 , 1	240	301		2.0									X	**·	192
202	201	111	61.	31.	113	36	0	610	9110	111	* 1 4	3 . 0	0	210	7	3 6 0			21	31.
THUNDER																		$\bigvee$		
HAIL SMALL HAIL																		M		
GRAINS GRAINS PELLETS SHOWERS																		$\bigvee$		
SLEET S SHOWERS ICE CRYSTALS																		$\bigvee$		
FREEZING RAIN FREEZING DRIZZLE																		$\bigvee$		
DRIZZLE									2.0							1.3		M	m	
RAIN	1.8		6.1	3.1		3.9	4.0	4.3	2.6	6.9	8.9	9.8	2.3	6.2	•	1.3		X	24	3.6
RAIN								10.9	6.	3.6	4.4	23	2.3	-				X	22	20
WIND	z	NNE	N.	ENE	W	ESE	SE	SSE	s	SSW	*S	WSW	*	WNW	¥Z	MNN	VARIABLE	CALM	TOTAL	% TOTAL

TOTAL NUMBER OF OBSERVATIONS

1,240

NAVWEASERVCOM

YEARS

		1
	•	1
0	C	١
9	-	1
4		1

WEATHER	71.6	82.4	88.9	88.9	\$3.4	80.3	13.3	1101	070	010	2061	19.0	19.0	0110	11.0	2010		X	916	10.4
SAND SAND AND DUST																		X		
BLOWING																		$\bigvee$		
SMOKE	1000	1110	1 1 1	210		1 6 2 7	611	1396	0103	6169	6177	700	100	-	0163			V	178	10:3
ICE FOG GROUND FOG	3,0					20.5			662									X	•	
503	1100	212		4114		310	910	213				210	210	11.	012	21.0		X	3.	41.
THUNDER																		M		
HAIL SMALL HAIL																		X		
SNOW GRAINS PELLETS SHOWERS																		X		
SLEET  " SHOWERS  ICE  CRYSTALS																		M		
FREEZING RAIN FREEZING DRIZZLE																		M		
DRIZZLE								200	209			200	7 . 4					X	2	•
RAIN	1.9	9.9				3.0	5.9	503	5.9	9.9	6.0	7:	2.0	3.4	1.0	7.0		M	28	203
NAIN	1.5				1.9	7.5	666	2.0	3 0 7		7 6 7	2.0						X	=	
WIND	z	NNE	NE	ENE	3	ESE	SE	SSE	S	SSW	SW	WSW	*	WNW	MN	MNN	VARIABLE	CALM	TOTAL	% TOTAL

TOTAL NUMBER OF OBSERVATIONS

1,199

NAVWEASERVCOM

0err

# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

FEEZING SIEET SNOW HAIL THUNDER FOG GROUND FOCUND F	PREZING SLEET  PREZING  PREZIN	MAY ALL		SMOKE BLOWING SAND NO AND HAZE SNOW DUST WEATHER	40.4		67.5		1629								31	53:9	8.84	40.00		
EEZING SLEET SNOW "CRAINS "EEZING "SHOWERS "PELETS "SHOWERS "SHOWE	RAIN RAIN DRIZLE FREEZING STEET SNOW FREEZING SHOWERS "GRAINS "FREEZING CRYSTALS "SHOWERS "SH	LIAT 31	S		3		6510		£0.04	619		3	ī	0 0 0	76.5	-	410	416	100	6.1	Ň	
EERING SLEET SNOW "GRAINS "FELETS ORIZILE CRYSTALS "SHOWESS ORIZINE CR	RAIN RAIN DRIZLE FREEZING STEET SNOW FREEZING SHOWERS "GRAINS "FREEZING CRYSTALS "SHOWERS "SH	1973 - 05	,	1 3 -		11.1										0.1						-
REEDING ONIZZUE ONIZZUE	RAIN SHOWERS DRIZZLE FREEZING PRIZZLE PREEZING DRIZZLE PR	400		ETS WERS																	$\bigwedge$	
STATION IN	RAIN SHOWERS CALIFURD STATE TO SHOWERS STATE TO		3	-																	$\bigvee_{V}$	
SHOWERS SHOWERS 1.2 2.0 0 2.0 0 2.0 0 0 0 0 0 0 0 0 0 0 0		ALIFURNIA	STATION N		7.1						200	-							3.3	2.		
		AMAR		RAIN				20.0		4	0				-		•		1.7			

TOTAL NUMBER OF OBSERVATIONS

1,240

MIRAMAR, CALIFURNIA 93107

JAN 1973 - 08C LY!7

HOURS (L.S.T.) ALL

CONE

NO WEATHER	38.0	400	*00	000	0	2000	2	33.3	20.00			*	-		200	**			558	400
SAND SAND AND DUST																				
BLOWING																		$\bigvee$		
SMOKE	30.0	4010	0600	4040	2 6 2	4176	0 000	03.0	2000	43.3	101	2000	2 1	36:0	120	2176		V	940	40.0
ICE FOG GROUND FOG	39.3				200						1							X	0	•
509	6410	1699			21.4	é113		7 1 7	7510	216	21.0	212	7	2:5		2		V	140	0.01
THUNDER																		M		
HAIL SMALL HAIL																		M		
SNOW " GRAINS " PELLETS " SHOWERS																		M		
SLEET SHOWERS ICE CRYSTALS																		X		
FREEZING RAIN FREEZING DRIZZLE																		$\bigvee$		
DRIZZLE	2.5	6.7						3.7	2.0	8.7	5.4	2 . 9	•					X	# · ·	
RAIN																		$\bigvee$		
RAIN								30.7										$\bigvee$	-	
WIND	z	NNE	NE	ENE	B	ESE	SE	SSE	s	SSW	SW	WSW	*	WNW	MN	MNN	VARIABLE	CALM	TOTAL	TOTAL

TOTAL NUMBER OF OBSERVATIONS

1,200

70

NAVWEASERVCOM

nerr

1100	MONTH
JAN 1973 - DEC 1777	YEARS
MIRAMAR, CALIFORNIA	
93107	STATION

ALL HOURS (L.S.T.)

NEATHER	30.0	2201	0.02	100.0	0.02	100	6.24	45.0	39.6	9	67.1	5103	0.65	2005	27.0	6.21		Y	555	9.00
			_	7														$\bigcap$		-
SAND SAND AND DUST																		M		
BLOWING																		$\bigvee$		
SMOKE	32.5	3961	40.0		0000	5365	42.9	2000	47.1	6963	48.0	48.7	9165	426	40.5	23.7			909	48.4
ICE FOG GROUND FOG		403								1.7				0.		6.		X	•	6.
50	1516	67.5	40.0		0.01	111	48:0	441.5	47:0	6007	2:9		212	206	714	6.5		2	142	101
THUNDER																		M		
SMALL																		M		
SNOW "GRAINS "PELLETS "SHOWERS																		M		
SLEET "SHOWERS ICE CRYSTALS																		M		
FREEZING RAIN FREEZING DRIZZLE																		$\bigvee$		
DRIZZLE		4.3							3,9						•	1,9		X	80	
RAIN	6.		20.0								1.4							X	•	*
RAIN																		$\bigvee$		
WIND	z	NNE	NE	ENE	В	ESE	SE	SSE	S	SSW	SW	WSW	×	*N*	WN	MNN	VARIABLE	CALM	TOTAL	% TOTAL

TOTAL NUMBER OF OBSERVATIONS

1,240

NAVWEASERVCOM

-	1
3	
30	HL
4:	202
	,
-	
	Sæ
2	YEA
m	
16	
~	
Z	
7	
	1
_	AME
=	z
×	ATIC
E.	ST
7	
S	
A	
A	
-	
-	
	1
93107 MIRAMAR,	ZO
31	TAT
0	lu
	•

ALL HOURS (L.S.T.)

NO	39.8	35.5	20.0	100.0	58.3	40.0	19.1	53.6	30.5	53.3	***	20.0	53.1	20.0	21.0	0.04		X	980	***
SAND SAND AND DUST																		M		
BLOWING																		$\bigvee$		
SMOKE	40.0	24.0	2010		0167	2010	2000	36.9	40.0	33.0	21:9	400	4364	4160	7 9 9	4 4 4		X	21	4100
ICE FOG GROUND FOG									100							141		Y	•	
80	4310	7107			101	0101	23:3	195	6000	4313	0 1 9 7	213	110	110	310	7367		\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	120	1129
THUNDER																c.		X	8	7.
HAIL SMALL HAIL																		M		
SNOW GRAINS PELLETS SHOWERS																		M		
SLEET " SHOWERS ICE CRYSTALS																		$\bigvee$		
FREEZING RAIN FREEZING DRIZZLE																		$\bigvee$		
DRIZZLE																		$\bigvee$		
RAIN														•				$\bigvee$	-	7.
RAIN	1.9	3.2							1.6	2.2			1.0			7.7		$\bigvee$	5	
WIND	z	NNE	NE NE	ENE	w	ESE	SE	SSE	s	SSW	SW	WSW	*	MNM	*N	MNN	VARIABLE	CALM	TOTAL	% TOTAL

TOTAL NUMBER OF OBSERVATIONS

1,240

NAVWEASERVCOM

TALL

AL TEGENTA	STATION NAME
MIPAMAS.	-
02107	STATION

1917
3.4
-
w
200
1973
9
-
ZAS
Z
4
7

SEP

	1
nc'	1
u	1
T.	
PIE	1
2	1

NO	53,0	67.6	53.3	0.00	71.04	63.3	65.5	45.9	38.7	52,8	2000	27.0	20.4	0000	24.9	45.1			630	55.5
BLOWING SAND AND DUST																		M		
BLOWING																		$\bigvee$		
SMOKE	4111	64.3	33,3	50.0	9:97	10:1	0369	2000	1 : 8 5	4410	43:2	\$360	2165	2065	4311	43.1		X	5	406
GROUND GROUND FOG	9.						619		100							100		X	•	
8	8 . 4	10:0	69				619	11.	£ 8 7	5:0	413	619	313	113	210	316		V N	20	61.5
THUNDER									1.9				6.					$\bigvee$	7	2.
HAIL SMALL HAIL																		$\bigvee$		
SNOW GRAINS PELETS SHOWERS																		$\bigvee$		
SLEET " SHOWERS ICE CRYSTALS																		$\bigvee$		
FREEZING RAIN FREEZING DRIZZLE																		$\bigvee$		
ORIZZLE											6.4	1.3	1.		2.0	1.0		V Z	7.5	1,0
RAIN									1.9				6.					$\bigvee$	70	2.
RAIN			6.7				6.9		3.7		4.9	1.3				1.4		$\bigvee$	10	NO.
WIND	z	NNE	N.	ENE	w	ESE	SE	SSE	s	SSW	MS	WSW	*	MVM	××	NNN	VARIABLE	CALM	TOTAL	% TOTAL

TOTAL NUMBER OF OBSERVATIONS

1,200

NAVWEASERVCOM

8

0

0

93107	NAKAMAR, CALIFORNIA	JAN 1973 - 085 1917	0C108ER	A
TATION	STATION NAME	YEARS	MONTH	SACON

NO WEATHER	46.9	30.5	100	2.40	1018	7001	0000	13.3	92.5	5000	20.00	20.3	0301	000	200	2301			739	30,0
BLOWING SAND AND DUST																		$\bigvee$		
BLOWING																		$\bigvee$		
SMOKE	93:0	6177	6363	1 : 67	0 : : :		0177	1010	13:0	2366	7 6 9 7	1 1 2 5	300	1160	1366	2010		V	302	2167
ICE FOG GROUND FOG		767	393										700					X	F.	100
503	9 8 9	4179	. 10	2007	31.4		7010	0 603	9191	7 . 4	91.	£ 12 7	115	-12	111	010		244	2	1110
THUNDER				9.7														$\langle \rangle$	-	-
HAIL SMALL HAIL																		X		
SNOW " GRAINS " PELLETS " SHOWERS																		$\bigvee$		
SLEET S  " SHOWERS  "CE  CRYSTALS																		$\bigvee$		
FREEZING RAIN FREEZING DRIZZLE																		M		
DRIZZLE								30.3	3.1		30.1					•		X		
RAIN			3.3	5.6	5.4				3.1	2.4			7.0					X	3	-
RAIN							0.0		3.1		3.1		7.1					X	*	
WIND	z	NNE	N.	ENE	ш	ESE	SE	SSE	v	MSS	SW	WSW	*	MNM	MN	MNN	VARIABLE	CALM	TOTAL	% TOTAL

TOTAL NUMBER OF OBSERVATIONS

1,240

NAVWEASERVCOM

1

0

WEATHER	64.5	0000	61.6	62.6	65.1	83.5	15.0	15.6	2.10	19.6	5000	19.0	660	15.3	13.3	999		· V	889	10.51
SAND SAND AND DUST																				
BLOWING																		$\bigvee$		
SMOKE	4 . 9 7	20.0	4:5	6 . 9	1:21	11.8	1111	13:0	211	9:0	300	9:0		765	6363	0167		· *	203	1611
ICE FOG GROUND FOG	1.93	20.7					2.8	242					211					X	F	0.
50	1774	20,0	11:0	4.01	7 . 4	3.5	1367	91.0	13:0	9 6 9	110	21.5	0	110	4:	0:0			100	8 . 1
THUNDER																		X		
HAIL SMALL HAIL																		M		
GRAINS GRAINS PELLETS SHOWERS																		X		
SLEET SHOWERS ICE CRYSTALS																		M		
FREEZING RAIN FREEZING ORIZZLE																		$\bigvee$		
DRIZZLE							2,8	2.2		8.8	6 9 3		102					X		
SHOWERS	2.6							4.4	3.4	5.9	4.3	5.9	80,	2.7		5.6		X	12	
Z Z			2.3			1,2			3.4		6.3		7.1					X	•	
WIND	Z	NNE	NE	ENE	Е	ESE	SE	SSE	s	SSW	SW	MSM	×	WNW	MN	MNN	VARIABLE	CALM	TOTAL	% TOTAL

1,200

TOTAL NUMBER OF OBSERVATIONS

ALL CECENBRA JAN 1973 - DEC 477 MIRAMAR, CALIFORNIA 93107

0

NO WEATHER	64.5	17.3	65.	88.1	2019	9.21	1110	6176	040	80.0	6070	0.21	036	200		03.0			911	13,5
SAND SAND AND DUST																		$\bigvee$		
BLOWING																		$\bigvee$		
SMOKE	2147	1:6	30.0	111	2:27	1310	1607	6002	010	20.	63 69	0000	9:67	2110	0177	21.19			207	101
ICE FOG GROUND FOG	196	4.3		717	113	100	967				214			201	761			Š	-	192
500	121	116	310	*12	11	101	101	6107	1 4 5	-	101	3	210			113			2	11.
THUNDER																		X		
HAIL SMALL HAIL																		$\bigvee$		
SNOW GRAINS PELLETS SHOWERS																		X		
SLEET SHOWERS ICE CRYSTALS																		X		
FREEZING RAIN FREEZING DRIZZLE																		$\bigvee$		
DMZZLE						200	500		2.		4.0	064						X	2	100
RAIN						1.0		0.0	1.03			0.0	2.0					X	01	
RAIN				7.1	1.1	3.9	2.0	6.3	1001	6.2						5		X	22	200
WIND	Z	NNE	NE	ENE	w	ESE	SE	SSE	s	SSW	NS.	WSW	*	WNW	MZ	MNN	VARIABLE	CALM	TOTAL	% TOTAL

TOTAL NUMBER OF OBSERVATIONS

1,240

NAVWEASERVCOM

	NO	25.0	03,3	67.6	85.8	99.69	2061	63.8	6119	2000		28.7	9.20	100	2060	61.1	29.5			1526	63.3
	BLOWING SAND AND DUST										20								$\bigvee$	-	• 0
	BLOWING																		$\bigvee$		
	SMOKE	33.7	43.1	1577	8.7	619	6121	9	9177	. 1 . 7	6113	6 5 2 6	21:1	0000	2110	200	37.5		V	4070	61.5
-	ICE FOG GROUND FOG	103	5 . 5		•	*61	100	200	•			•	2.	7.		2.	•		N N	122	
-	90	6 9 9	101	8 : 0	714	312	510	111	104	0127	81.	919	1 1 4	21.4	31.	3	8 . 0		V.	120	8 .
	THUNDER		6.							6.			7.	7.			1.		\\\	٠	
	HAIL SMALL HAIL																		M		
	SNOW GRAINS PELLETS SHOWERS																		$\bigvee$		
	SLEET " SHOWERS ICE CRYSTALS																		$\bigvee$		
	FREEZING RAIN FREEZING DRIZZLE																		$\bigvee$		
	DRIZZLE						9.	1.7	2.2	2 9 1	1.0	5.0	1.0		•		•		X	133	6.
	RAIN			2.3		9.	~	4.4			3.5	5.6	1.9	1.4	1.1	•	**		X	196	1.3
	RAIN	*	0.	6.	9.		1.6	0.4	2.4	5,3	2.1	202	1.1		3.	-:	3.		Ž	155	1.1
	WIND	z	NNE	NE.	ENE	Ε	ESE	SE	SSE	s	SSW	NS.	WSW	*	WNW	MN	MNN	VARIABLE	CALM	TOTAL	% TOTAL

TOTAL NUMBER OF OBSERVATIONS

14,607

NAVWEASERVCOM

O

0

0

0

Q

4

4

0

0

0

#### PART B

# PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

DERIVED FROM DAILY OBSERVATIONS

DERIVED FROM DAILY OBSERVATIONS

- The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual may be misleading.
- The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing. ö

Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Snow depth at 1230 GCT Snow depth at 1200 GCT Snow depth at 0800 LST From beginning of record thru 1945 Jun 57-present Jan 46-May 57 Air Force Stations

Snow depth at 0030 GCT Snow depth at 1230 GCT Snow depth at 1200 GCT From beginning of record thru Jun 52 Jun 57-present Jul 52-May 57 U. S. Navy and Weather Bureau Stations

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

### DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION (FROM DAILY OBSERVATIONS)

HIRAMARA CALIFORNIA

67-77

YEARS

STNI			2	RACE	RACE	RACE	RACE	RACE	. 76TRACE	.00	.00	.00	.00	.00	.07	X
MONTHLY AMOUNTS	(INCHES)	-	OEX IES	6.48TRACE	S.26TRACE	5.40TRACE	3.84TRACE	2.60TRACE	.76	.1.	1.42	2.10	2.11	9.00	4.95	X
MONT	-	7	-	1.92	1.47	1.46	.99	.38	60.	.03	.08	.21	14.	1.16	1.52	9.72
	NO.	\$ 0 8		930	820	930	870	899	870	930	630	900	930	870	930	11.6 10809
PERCENT	OF DAYS	MEASUR-	AMTS	1112	19.6	20.0	16.8	8.7	5,2	2.2	1,2	1:4	6.9	1661	17,8	11.6
	1.51-5.00 5.01-10.00 10.01-20.00 OVER 20.00 OF DAYS	OVER 50.4	OVER 120													
	0.01.20.00	25.5.50.4	61.120											1		
	8.01.10.00	15.5.25.4	49.90													
	2.51-5.00	10.5.15.4	37.48													
	1.01-2.50	6.5.10.4	25.36	1.3		.5		.2				.2	.2	•	•	•
CHES	51.1.00	1.5.6.4	13-24	2.8	3.3	6.2		.3			.3	1.	•	1.1	2.2	1.0
AMOUNTS (INCHES)	26. 50	3.5.4.4	7.12	0.4	5.6	2.5	2.3	6.				9.	•	5.9	2.8	1.6
AMO	JR.25	2.5.3.4	9.7	3.1	3.5	4.7	••0	1.1				•	1.2	3.9	3.7	2.3
	04.10	1.524	•	3.1	0.4	3.1	2.4	1.6	1.0	•	.2	.3	0.	2.1	3.0	0
	02.03	1.1.2.0	2	4.6	3.2	4:1	4.5	3.1	2.1		w.	1.3	1.7	3.8	0.4	8.6
	5	0.1.0.4	-	2.2	2.3	1.5	2.1	1.4	1.3	•		1:0	1.0	1:4	1.4	* , .
	TACE	TRACE	TRACE	7.8	0.0	10.5	13.1	16.8	15.6	5.7	9.6	8.8	11.6	0.9	7.3	
	MONE	NONE	MON	71.1	71.3	69.5 10.5	70.1 13.1	74.5 16.8	79.2 15.6	2.26	33.2	87.1	81.9 11.6	17.9	74.8	78.4
	PRECIP.	MOWFALL	SWOW.	NAL	92	MAR	APR	MAY	NOT	))	AUG	28	500	YON	DEC	ANNUAL

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOWFALL (FROM DAILY OBSERVATIONS)

MIRAMAR, CALIFORNIA

N.

47-77

PRECIP. NOWFALL SNOW-						¥¥	AMOUNTS (INCHES)	CHES						1111111111		NOW	MONTHIY AMOUNTS	INTE
SNOWFALL SNOW- DEPTH	NONE	TRACE	6	.0205	0190.	.11.25	26.50	.51.1.00	1.01.2.50	2.51-5.00	5.01.10.00	2.51-5.00 5.01-10.00 10.01-20.00 OVER 20.00 OF DAYS	OVER 20.00	OF DAYS	NO.		(INCHES)	
SNOW.	NON	TRACE	0.1-0.4	0.5-1.4	1.5.2.4	2.5.3.4	3.5.4.4	4.5.6.4	4.5.10.4	10.5-15.4	15.5.25.4	25.5.50.4	OVER 50.4	MEASUR-	9 o	3		:
	NON	TRACE	-	2	•	4.6	7.12	13.24	25-36	37.48	49.60	61.120	OVER 120	AMTS		menn	GENESI	
NAL	1.66	.3													930	930TRACETRACE	TRACE	0.
res 1	100.0														764	0.	0.	
MAR 3	100.0														899	0.	0.	.0
APR	9.66	.2													840	840TRACETRACE	FRACE	• 0
MAY 3	100.0														666	0.	0.	.0
Nor	100.0														870	0.	0.	.0
Jor B	100.0														899	0.	0.	.0
NUG 1	100.0														930	0.	0.	.0
SEP 1	100.0														006		0.	.0
0CT 1	100.0														086	0.		.0
NOV 1	100.0														900	.0	.0	
DEC	6.66		7.											1.	930	PSOTRACE	.2	.0
ANNUAL	6.66	•												•	10901	0.	X	X

्र

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOW DEPTH (FROM DAILY OBSERVATIONS)

T MIRAMAR, CALIFORNIA STATION NAME

40-17

YE

						AM	AMOUNTS (INCHES)	ACHES)						1730		MONT	MONTHLY AMOUNTS	UNTS
PRECIP.	NON	TRACE	5	.0205	0190.	л25	.26.50	.51.1.00	1.01.2.50	2.51.5.00	3.01.10.00	2.51-5.00 5.01-10.00 10.01-20.00 OVER 20.00 OF DAYS	OVER 20.00	OF DAYS	NO.		(INCHES)	
SNOWFALL	NONE	TRACE	0.1.0.4	0.5.1.4	1.5.2.4	2.5.3.4	3.5.4.4	4.5.6.4	6.5.10.4	10.5.15.4	15.5.25.4	25.5-50.4	OVER 50.4	MEASUR-	5 6	74.57	1000	257.51
SNOW.	NON	TRACE	-	2	3	4.6	7.12	13.24	25.36	37.48	49.60	61.120	OVER 120	AMTS			OH THE	
IAN	100.0														868			
2	100.0														735			
MAR	100.0														837			
APR	100.0														840			
MAY	100.0														868			
N	100.0								3						840			
10r	100.0														868			
AUG	100.0														868			
**	100.0														840			
100	100.0														868			
NOV	100.0														840			
DEC	100.0														868			
ANNUAL	ANNUAL 100.0														10140		X	X

PRECIPITATION

FROM DAILY OBSERVATIONS

47-17

MIRAMAR, CALIFORNIA STATION NAME

93107 STATION

\$

0

0

0

0

0

24 HOUR AMOUNTS IN INCHES

MONTHS	.82		1.39	2.27	1.79	. 0	1.37	1.08		1:74	1.60	1.10	1.44		1.68	1.14	.85	2.03	20.2	1.37	. 63	1.06	1.34	-			1.37		1.50			
DEC.	.82	06.	•	2.27	080	90.	24.	72.		.58	60.	1.02	90.	. 32	.19	*0*	. 56		20.2	.62	.32	08.	190	64.	17.		1.37	.33	.71			-
NOV.	0.0	1001	•	54.	. 34	• 34	. 47	15.	00.	.30	. 34	=	. 39	. 43	10.	1014	. 20	2.03	1.17	29.	.30	04.	. 37	900	1.72	64.	.39		1.09			
OCT.	4 1-	-	RACE	1,34	TRACE	• 03	TRACE	TRACE	10.	18.	.01	. 37	•03	.72	10.	60.	.05	100	.95	000	.02	TRACE	.12	96.	-	• 05	1,02	• 05	. 37			
SEP.	900	1	TRACE	. 15	.0	TRACE	TRACE	TRACE	00.	TRACE	. 1.0	TRACE	.36	10.	TRACE	1.04	.36	600	TRACE	TRACE	TRACE						TRACE		1.10			-
AUG.	TRACE.		TRACE	30	TRACE	.03	TRACE	TRACE	00.	TRACE	TRACE	TRACE	TRACE	TRACE	00.	TRACE	.03	.01	TRACE	TRACE	00.	.00	.08									
JUL.	TRACE		0		TRACE	20.	.08	TRACE	00.		AC	AC	TRACE	ACE	ACE	00.	00.	10	10.	90.	.03	90.		TRACE	00.	TRACE	*0.	0	TRACE			
JGN.	0	1	TRACE	TRACE	.03	90.	10.	TRACE	TRACE	.37	TRACE	TRACE	.03	.02	.06 TR	12.	• 0 •	10.	.12	900	.01	.14	TRACE	.01	.25		O	010	.03			
MAY	TRACE		1.03	RAC	4	01.	.04	69	.25	. 30	. 27	TRACE	. 19	.03	.35	.0.	.31	TRACE	TRACE	.02	.23	01.	03	.51	. 15	10.	.10	RACE	.26			
APR.	.05		.23						.72					10.	TRACE	.37	. 85	1,41	TRACE	.65	.43	*1.	.22	.54	.02	.02	60.	2.08	1.03			-
MAR.	.26	.05	90	. 52	1.16	.51	1.37	.27	.02	.31	1.34	TRACE	**		.50	. 55	.77	04.	90.	. 56	9	.36	.47	.20	TRACE	.62	66.	. 79	. 78			-
FEB.	.72	. 50	.79	. 4.	.70	.54			.15	.39	1.60				. 75		.25		46.		60.		1.34			09.	90.		1.50			-
JAN.	TRACE		1.39	-	1.75	3	86.	8	. 97		*	99.			1.68	-	. 54	~	-	1	.31		. 25		.07		1.18	120	TRACE			
YEAR	* 4 * 40	64	20	51	52	53	35	55	96	57	58	86	09	10	29	63	50	65	99	67	68	69	20		72	13	14	7.3	16	MEAN	S. D.	-

8

-

PRECIPITATION

EXTREME VALUES

FROM DAILY OBSERVATIONS

47-77

MIRAMAR, CALIFORNIA STATION NAME

93107 STATION

0

0

4

0

Q

0

0

0

0

1

10

N

YEARS

24 HOUR AMOUNTS IN INCHES

ALL	1.53								1.34	.454	10839
DEC.	09.								99.	.580	930
NOV.	100								18.	***	900
<b>OCT</b> .	12.								420	.366	026
SEP.	TRACE								\$1.	. 289	006
AUG.	64.								.05	.175	930
JUL.	TRACE								.02	•036	930
JUN.	.03							-	90.	.088	670
MAY	1.53		-						.24	. 359	668
APR.	<b>*0</b> •								64.	. 522	870
MAR.	•35								80	.374	930
<b>£</b>	•10								.62	.437	820
JAN.	1.06								.78	.524	930
YEAR	11								MEAN	S. D.	TOTAL OBS.

Œ

NAVWEASERVCOM

3

ō

FROM DALLY CESERVATIONS

/BASED ON LESS THAN FULL MONTHS/

47-77

MIRAMAR, CALIFORNIA STATION NAME

93107 STATION

0

0

1

10

\*

4

· 2

201				VEAR 49	JAN.	MAR.	APR.	MAY	, NOT	Jut.	AUG.	SEP.	200	. oct.	ŏ	OCT.
				61	2,0	7.										8 8
			EAM C. O.	75											29	29
			EAM O.													
			EAN . O.													
			EAN TO THE TABLE T													
			SAN G.													
			EAN CO.													
		N. C.	EAN .						No.							
		N	EAN													
		NY	SAN .													

1

3

3

8

8

3

NAVWEASERVCOM

SNOWFALL

47-77

MIRAMAR CALIFORNIA STATION NAME

93107 STATION

24 HOUR AMOUNTS IN INCHES

YEAR	IN JAN.	Ę	MAR.	APR.	MAY	JGN.	JUL.	AUG.	SEP.	OCT.	NOV	DEC.	MONTHS
47								0.	0.	0.	0.		
48	0	0.	0		0.	0.	0.	0.	0.	•	•	0	
64	TRACE	0.	0.								0.	0.	
30	0			•		0	0.	•	•	0.	•	0.	
15	0	0	0.	0.		0	0.	0.	0.	0.	•	0.	0.
52	0	•	•	•		0	•	0.	•	•	•	•	•
53	0.		0.	0.		0.	•	0.	0.	0.	0.	0.	
24	TRACE	0.	0.	•		0	0.	0.	0.	•	•	0	TRACE
66	0.	0.	0.	0.	•	0	0.	0.	c.	0.	•	0.	•
20	0	0	0	0.		0	0.	0.	0.	•	•	0.	•
57	0.	0	3.	0.		0.	0.	0.	0.	0.	0.	0.	•
58	•	0.	0	0.		0.	0.	0.	•	0.	•	0.	•
65	0	0.	0.	0.		0	0.	0.	0.	0.	0.	0.	0.
09	0	0.	•	0.		0	0	0.	•	•	•	0.	•
61	0.		0	0.		0	0.	•	0.	0.	0.	0.	
62	0.	•	0	•		•	0.	•	•	•	•	•	•
63	0.	•	0.	•		•	0.	0.	0.	0.	•	0.	•
40	0	0.	0.	0.		0	0.	0.	•	•	•	0	•
6.5	0.	0.	0.	TRACE		0.	0.	0.	0.	0.	0.	0.	TRACE
99	0.	0	0.	•		0	0.	•	0.	0.	•	0	•
67	0.	•	0.	0.		0	0	0.	0.	0.	•	.2	
69	•	•	0.	0.		0	0	•	0.	•	•	•	•
69	0.	0.	0.	0.		0	0.	0.	0.	0.	•	0.	0.
10	•	•	0.	•		0	0.	0.	•	0.	•	0	•
11	0.	•	0.	TRACE		0.	0.	0.	0.	0.	0.	0.	TRACE
72	•	•	0.	•		0	0	0.	•	•	•	0.	•
73	0.	0.	0.	0.		•	0.	•	0.	•	•	0.	•
74	5	0	0	0.		0	•	0.	•	0.	0.	0.	•
75	TRACE	•	0.	0.		0.	0.	0.	0.	0.	0.	0.	TRACE
76	0.	0	0	0.		0	0.	•	0.	•	0	0.	•
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

SNOWFALL

47-77

24 HOUR AMOUNTS IN INCHES

MONTHS		10.	16721
DEC.	o.	10.	930
NOV.	2	00.	430
OCT.	0.	00.0	930
SEP.	•	00.	006
AUG.	0.	000	930
JU.	•	000	899
JON.	0.	00.	870
MAY	•	00.	569
APR.	•	TRACE	840
MAR.	•	1 11 1	899
•	•	0.0	164
JAN.	•	TRACE	930
YEAR		MEAN	10TAL 08S.

NAVWEASERVCOM

8

8

0 0 0

93107 STATION

MIRAMAR, CALIFORNIA

\* W \*

FROM DAILY OBSERVATIONS

SNOWFALL

47-77

MIRAMAR, CALIFORNIA STATION NAME

93107 STATION

YEARS

/BASED ON LESS THAN FULL BONTHS/

YEAR	JAN.	5	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV	DEC.	ALL
1.0							300					300	SNOFALL
8				0.6%									SNOFALL
6+							25.0	25.0	25.0	2,0			SNOFALL
05		0	0										SNOFALL
53		0.2											SNOFALL
10		27.0											SHOFALL
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

· NE

0 4

4

2

3

3

2

10

SNOW DEPTH

47-77

MIRAMAR, CALIFORNIA

93107 STATION

0

0

0

•**≈** 0

DAILY SNOW DEPTH IN INCHES

YEAR	JAN.	5	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	MONTHS
4.4													
6.0												4	
6	•			•					•			0	
00	5								-			0	
15	0	0							0			0	0
52	0								0				
53	ō		5						9			0	
24	0	0							•			0	0
55	0								0			0	0
20	0								0		0	0	0
57	5								0			0	0
58	3								0			0	0
53	0					-			0			0	
09	0								0			0	•
	5								0			0	0
62	0								•			0	0
63	0								٥			0	0
70	0								0			•	0
63	0								0			0	0
99	0								0			0	0
67	0								0			0	0
63	0								•			•	•
69	0								0			0	0
20	0								0			0	0
11	0								0			0	0
72	0								0			0	0
13	0								0			0	0
74	0								0			0	5
2	0	0	3	0	0	0	0	0	0	0	0	0	0
76	ō								0			0	
MEAN													
S. D.													
TOTAL ORS													

SNOW DEPTH

47-77

HIRAMAR, CALIFORNIA STATION NAME

93107 STATION

DAILY SNOW DEPTH IN INCHES

	0	TT	TI	200
MONTHS				1,223
DEC.	0			0.00
NOV.	0			7.11
OCT.	0			0.00
SEP.	0			0.00
AUG.	0			0.00
JU.	•			000
JGN.	0			000
MAY	•			0.00
APR.	6			0.00
MAR.	8			0.0
5	8			000
JAN.	•			0.00
YEAR				MEAN S. D.

2

NAVWEASERVCOM

SNOW DEPTH

FROM DAILY OBSERVATIONS

/BASED ON LESS THAN FULL MONTHS/ 47-77

MIRAMAR, CALIFORNIA STATION NAME

93107 STATION

Q

Q

0

4

0

4

0

0

0

0

0

YEAR	JAN.	5	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	120	NOV	DEC.	ALL
4.1							0	0	0	0	0	0.	SNO DPTH DAYS
69	۰.,	•	c	0	0	0	0	0	0	•	0	0	SNO DPTH DAYS
64	0	0	c				25	65	25.0	270			SNO DPTH DAYS
20		0	c										SAU DPTH DAYS
55												30	SAD DOTH
53		270											SND DPTH DAYS
59											29.0		SNO DPTH DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

#### MAR 1978

DATE

Σ

INCHES

DATE

Σ

INCHES

DAY

0

10 1971

0000

1955

1974 1957

> 0.72 1.06 1.74 1.04

> > 40

4 2 9 1 œ 6

0

SNOWFALL

PRECIPITATION

DAILY EXTREME AMOUNTS

STORE .

MIRAMAR, CALIFORNIA

93107 STATION

0

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

のこの

STATION NAME

JANUARY

1948-1977

YEARS

PEBRUARY

1949

1,44

= 2 13

1

10

61.0

1,75

0.82

15

0

14

16

17

25 1954 1962

1,33

18 19 8

14 1964

1,37

21

0

22

23

24 25 26

35 1967

26 1974

1954

=

9400

19754

1975

1956

0.97

27

0

64.0 1,39

> 28 23

1954

23 1969

2000

1961

1956

35 1950

1956

1952

++

Monthly

0

30

18 1966

• ALSO ON EARLIER YEARS T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

=

DIRNAVOCE ANMET - SMOS

APRIL

## DAILY EXTREME AMOUNTS

1948-1977

MIRAMAR, CALIFORNIA STATION NAME

93107 STATION

0

O

MARCH

0

0

0

0

0

0

0

0

NAVAL WEATHER SERVICE DETACHMENT

ASHEVILLE, NORTH CAROLINA

0 M @

YEARS

DATE 1965 1971 SNOWFALL M INCHES 2 1975# 9 1963 9 1957 9 1965 2 1964 16 1956 26 1976 3 1960 1958 1965 6 1975 1958 1975 1976 1957 1961 25 1958 1961 1955 1971 1963 DATE 1991 PRECIPITATION GREATEST 14 Ž 2.08 0.22 0.69 0.00 0.39 60.0 1.19 0.97 0.41 0.20 0.27 0.12 1.13 0.27 0.34 DAY 10 12 13 15 16 18 8 22 23 24 25 14 17 19 21 27 4 6 1 56 ~ 9 œ

1111

111

PRECIPITATION	INCHES MM	0.78		0.22	0.47	0.25	0.56	1,10	66.0	0.21			0.20	0.56	0.25	0.64	1,34			0.52	0.62	98.0	1.37	1.29	08.0	0.66	0.17	0.31	. 8		0.24		1.37
TATIC	5	20	7	9	12	0	14	53	25	5	20	*1	3	14	0	10	34	14	6	13	16	21	35	33	20	17	•	00	21	-	9	10	35
Z	DATE	1976	1970	1974	1970	1975	1958	1952	1974	1957	1975	1975	1964	1967	1975	1952	-	0	1962	1962	-	1958	1954	1954	1950	1950	1973	1958	1961	1961	1954	1965	1954
\$0	INCHES																																
SNOWFALL	MM																																
	DATE																																

• ALSO ON EARLIER YEARS T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

=

1971+

53 1975

2.08

Monthly

1955

1953

0.08

53 30

28

1.08

# DAILY EXTREME AMOUNTS NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

MIRAMAR, CALIFORNIA STATION NAME

STATION

MONTH

DATE

Z

INCHES

DATE

MM

INCHES

DAY

0.19

0.63

0.35

œ 

0.04

SNOWFALL

PRECIPITATION GREATEST

1948-1977

YEARS

MONTH

	PRE	PRECIPITATION	NO	000	SNOWFALL	
740	,	יבטורטו				
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.07	2	1963			
2	1	4	1974#			
3	0.03		1952			
4	1	•	1970*			
5	0.03	1	1977*			
9	60.0	2	1972			
7	0.10	3	1966			
8	0.12	3	9961			
6	60.0	2	1972			
10	0.37	6	1957			
11	0.21	5	1963			
12	10.0		1963			
13	90.0	2	1961			
14	0.03		1962			
15	90.0	2	1962			
16	0.01		1975			
17	0.02	1	1969			
18	0.10	3	1975			
19	1	-	1975#			
20	0.25	9	1972			
21	1	-	1969#			
22	0.11	3	1972			
23	0.08	2	1972			
24	1		1972#			
25	1	-	1965*			
56	1	-	1968#			
27	1	-	1968*			
28	1	1	1960*			
53	1		1966			
30	0.02	-	1948			
31						
Month	22	0	1057			

0,00

0.14

1973\*

0.05 0,21 0.15 0.14 0.04 0.02 0.07 0.02

0.14

Monthly

0.02

=

• ALSO ON EARLIER YEARS T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

## DAILY EXTREME AMOUNTS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

93107 STATION

MIRAMAR, CALIFORNIA STATION NAME

1947-1977

YEARS

			MONT	MONTH		
	P.R.	PRECIPITATION GREATEST	NC	<i>w</i> 0	SNOWFALL	
-	INCHES	MM	DATE	INCHES	MM	O
1	-	-	1977*			
_	10.0		1971			
	•	•	1955*			
	•	•	1961			
		•	1961			
Г		-				

DATE

M

INCHES

DATE 1961

Z

INCHES

0

0

DAY

1966\* 1970#

0.01

8

0.01

6

0

1968

0.03

9

0

2

0.01

1967\*

6961

90.0

=

10

12 13

0

1954

1974

0.08

15 16 17 18

14

1977\* 1967\*

1950 1968 1976\*

1974

0.01

1969

8

21 22 33

19

1954

1975#

1965 1953

0,00

8 8 8

60.0

1951

0.09

24

25 26 27 1958#

1991

0.12

Monthly

31

SNOWEALL

PRECIPITATION GREATEST

ATE.

GREATEST
MM
19
63
1
L
3
96.0
90.0
6

0

Ò

0

. ALSO ON EARLIER YEARS

T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCE ANMET - SMOS

000 0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

93107 STATION

0

0

0

0

0

0

0

MIRAMAR, CALIFORNIA STATION NAME

1947-1977

YEARS

OC TOBER MONTH

	PRE	PRECIPITATION GREATEST	z	0,0	SNOWFALL	
DAY	INCHES	MM	DATE	INCHES	MM	DATE
-	0.87	14	1959			
2		-	1976			
3	0.12	3	970			
4		1	1966			
5	0.21	5	1977			
9	1000		1977*			
7	0.05	7	1975			
8	0.72	18	1961			
6	10.0		1962			
0	0.95	42	1966			
11	0.33	8	1957			
12	0.03	-	1957			
13		11	1947			
14	0.31	90	1957			
15	0.05	-	1964			
16		14	1971			
17	0.27	7	1971			
18	0.73	19	1948			
19	_	10	1972			
20		*	1972			
21	0.27	7	1957			
22	0.07	2	1976			
23	0.37	6	1976			
24	0.15	4	1971			
25		34	1661			
26	0.13	3	1974			
27	0.12	3	1974			
28	0.84	21	1974			
59	1.02	26	1974			
30	0.37	6	1957			
31	-	1	1961*			

=

		INCHES	1 1	2 1	3 0.	1.	5	6 0.	7 0.0	8 0.0	-	10 1.			13	14	15 0.		17 0.	-				22				_	27 0.0	0	T   62	30	21
	PRE	S			44	04		14	0.0	01	*	10	90	10		-	10	60	20	45	01	90	90		10.	36	20	23	60	1.5			-
	PRECIPITATION GREATEST	MM		4	11	26	•	•	-		*	28	1		-			1	13	11	3	2	15	1		6	1	9	1	4	4	-	
SEPT	NO	DATE	1967#	1976#	1976	1963	1972#	1972	1975	1972	1976	1976	1976	1975	1975+	1976*	1969	1965	1963	1963	1963	1949	1947	1975#	1958	1964	1976	1976	1951	1991	1971#	1967*	
SEPTEMBER	S	INCHES																															
	SNOWFALL	MM																															
		DATE																															

· ALSO ON EARLIER YEARS

T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

1991

Monthly

2

3

0

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

93107 STATION

12295-14961

0

0

MIRAMAR, CALIFORNIA STATION NAME

NOVEMBER

DATE

Σ

INCHES

DATE

M

INCHES

DAY

0

7261

2 1968 0961

9 1960

0.2000

3 4 2 9

0

5 1972

30 1966

1.17

6961 01

0.26

0

26 1949

10 1 12 13 14

6

0

œ

0

15 16

0

16 1967

59 1963

1.14

8 21 22

2,03

0.18

19

18

0

17

3 1965

1965

0.60

24 25

0

23

1961

3 100

0.59

92 27

1970

1961

3

0.00

8 8 30 52 1965

2.03

31 Monthly

SNOWFALL

PRECIPITATION GREATEST

1947-1977

YEARS

DECEMBER

	DAY	-	2	3	4	5	9	7	8	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	59	30	31	Monthly
PR	INCHES	1.54	0.82		-	2002	0.84	0.21	_	_	0.73	100	_	0.48	_	0.25	0,37		0.62		0.80										2,27	0.71	000
GREATEST	MM		21	23	45	51	21	5	10	33	19	20	8	12	15	9	6	19	16	15	20	8	21	3	26	13	13	18	13	13	58	18	4
	DATE	1947	1961	9961	1947	1966	9961	-	161	196	61	561	1975	0	5961	6561	5961	8 761	1961	197	-	1959	1948	-	1959	1977	1977	1948		1661	1661	9461	1081
, 0	INCHES													0.2																			0
GREATEST	MM													5																			
	DATE													196																			101

HEB

1880

0

0

\* ALSO ON EARLIER YEARS

T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

=

#### PART C

## SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 Every month of a year must have valid observations present before the ALL MONTHS value is selected A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. selected and printed. These values are then used to compute means and standard deviations for the entire for that year. Means and standard deviations are computed when four or more values are present for any column. period.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean Bivariate percentage frequency tabulations: Derived from 3-hourly observations, these tabulations are a wind speed for each direction.

these data where light and variable winds are reported with no directions but with speeds given, the speeds A separate category is provided on the form for variable winds, which are reported in some data sources. will be summarized in the appropriate groups opposite the column headed VARBL.

- Three tables are prepared for all surface winds included, and for all years combined as follows:
- (1) Annual all hours combined
- (2) By month all hours combined
- (3) By month by standard 3-hour groups
- A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to greater than 200 feet.

SURFACE WINDS

FROM DAILY OSSERVATIONS

47-77

HIRAMAR, CALIFORNIA

TEARS

DAILY PEAK GUSTS IN KNOTS

		*	39				35	31	38	41		38	33		52	35	30	33	33	200	36	4	39	35	63	*	38				T
MONTHS		Z	×				2	SSE	ENE	ESE		×	Z.		X	ENE	2	Z	u	s	2	×	X SX	13		53		58			
ن ن	30	362	33			23	53	30	31	56	36	53	02	61	23	35	30	33	52	28	92	7	30	33	62	32	31	25			1
DEC.	24ENE	NANA	MSM/		4ENE	3NZ	SH2H	31	8.5	BENE	NAME!	JAE.	322E	SS €	*9	SENE	16	RSO	54	STWNA	N N N	*	133	531	130	934	100	803			
_	ZONNW Z		1		1						255		1						-	2 HMIZ											
OCT.	I S			-		T MUNK	I BN	SMSW 18	-	Sw 19	2 3	2	72 KN				1		1		1		1				1				
	195	415	10	21		7.2	20M	194	185	165	2BNE	228	208	2	264	206	186	261	205	214	1 84	346	203	370	182	172	312	300			
3. SEP.	215W	- No.	ZZZO	13NNE	17	101	21 MNK	17×SK	\$2×	19MSK	20E	101	Na.	SINM	20ESE	3 · · · ·	175	ZZZ OI	17%	1954	SONA SONA	16NE	2120	2518	2230	2030	2631	2219		-	
AUG	18W	MNNE	N.W.	TOWNE	N. T.		755E		MSS6										1				1				1		1		
JUL	*S*O			NA	5	*	*	5	1.5	5	50	SANE	I M S M	T.Z.C	MSIO	*	* ZZ	30	35.	MS B	TZX	*ZZ	754	119	426	218	234	320	11		
JON	75 2	•	2	-	-	~	~	N			24MS# 2		-	-		-		*	-	-						••					
MAY	2 W2	1		488# I					1		1	*			*				-	S MNA											
APR.	35 3		-	50 20		X		SE	-	E		~	~	-	2	~		_	~	~	~	~	2	~	6	~	2	4			
MAR.	8	35 XX		36			5 W 2	30	1 26	SK 37	~	2				×								9 25	3 3	7 33	36	3			
_	395	100	28%	235		5	275	28E	200	27%	34	A CO	237	28	20%	312	231	31.	162	215	¥ 78	348	272	171	111		N	443		-	
5	355₩	3655W	*N×6	755			*NS	20ESE	575	205	285	26 in	JANE !	33W	2155W	2 PNE	* CO	BANEE	NAN	1555E	NA.	85	1921	5233	1351	1807	1109	1023			
JAN.	× ×	ESE 3		2 2			S	S	SE	Z	SE 2	w	x	S		SS# 2	-	2		25			30	10 2	-	200	0	6			
TEAL	14	6.50	2	52	53	34	55	26	57	38	29	09	61	62	6.2	49	69	96	67	68	69	10	7.	72	73	74	3	16	MEAN	5.0.	

NAVWEASERVCOM

· NE

192261

0

0

0

0

Q

SURFACE WINDS

47-77

MIRAMAR, CALIFORNIA

93107 STATION

Q

0

0

0

0

DAILY PEAK GUSTS IN KNOTS

THS		36.7	10424
DEC.		296.6	668
NOV		2:12	699
Ç		7:	799
SEP.	8717 67	0.22	998
AUG.	873	2.5	928
JUL.		19.3	968
JON.	9767	20.7	699
MAY	97.97	24.7	269
APR.		27.5	808
MAR.	0 3416	29.7	569
5	0600	26.1	787
JAN.	Tag #2	26.5	999
WEAR		MEAN S. D.	TOTAL OBS.

FROM DAILY OBSERVATIONS SURFACE WINDS

47-77

MIRAMAR, CALIFORNIA STATION NAME

/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH!

AUG. SEP. OCT. NOV. DEC.	IZ MSS	SSW 22N 23	Sw 21Sw 50w 11 9 1	11 15 15			11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
JUN. JUL.		24 248		SE 17					
APR. MAY				12 52		MNW 20			
WAR.			s.	23W 26W	21				
JAN. FEB.				S 21WWW	ž				
YEAR	48	6	25	53	24	65	20	MEAN	S. D.

40

Q

0

0

NAVWEASERVCOM

0

155

TOTAL NUMBER OF OBSERVATIONS

4

4

3

\*

=

0.1 HOURS (L.S.T.)

JA .

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

20

0

0

0

(FROM HOURLY OBSERVATIONS)

73-77 HIRAMAR, CALIFORNIA NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

NE ATHER

CONDITION

SPEED (KNTS) DIR.	?	*	7.10	11 . 16	17 - 21	22 - 27	28 . 33	34 . 40	41 - 47	48 - 55	8	*	MEAN WIND SPEED
z	1.9	9.	1.3	9.								4.5	6.3
N.	2.6	1.3	1.3									5.2	4.1
W.		1.3	1.3									2.6	6.3
ENE	1.9	3.9	9.	9.								7.1	4.7
-	7.1	13.5	14.2									34.8	5.8
ESE	9.	6.9	5.5									12.3	6.2
35	9.	3.2		1								5.2	5.3
SSE		1.83	9.	9.								2.6	7.0
	1.3	6.	1.3									3.2	5.8
SSW	9.	.6.										1.3	3.0
NS.	0.											9.	3.0
WSW		9.	9.									1.3	7.0
*			1.3									1.3	0.6
WWW		9.	9.	9.	9.							2.6	10.3
×				9.								9.	12.0
MNW	9.											9.	2.0
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	14.2	
	1.8.1	34.2	29.7	2.0	9.							0.001	6.0

0

0

6.5 3.9

MEAN WIND SPEED

2

28 . 33

22 - 27

17 - 21

11 - 16

7 . 10

1.3

SPEED (KNTS) DIR.

0

0 3.6

6.1

¥ %

0

0

6.7 0.0

10.3

37.4 12.3

4.7

7.0 5.3 5.0

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

母るの

(FROM HOURLY OBSERVATIONS)

73-77

MIRAMAR, CALIFORNIA

93107

0

0

0

0

YEARS

ALL WEATHER

0.4 HOURS (1.5.T.)

JAN

CONDITION

8								
48 . 55								
41.4								
8								

0.1 C . 1

1.3

38 ESE

9. • 6

14.2

5.5

3.9

7.0

13.0

4.5

3.2 3.9 1.3 9.

2.6

8.5

. 3 9.

8.0 10.0

11.0

0.

.0

NN VARBL CALM

0

0

Q

WWW XX

\*

0.

0.

0

WSW WSW

0

SSW

\*

0

28.4

1.3 1.9

TOTAL NUMBER OF OBSERVATIONS

155

100.0

11.6

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

SURFACE WINDS

=

0.7 HOURS (1.5.7.)

JAN.

YEARS

93107

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS) 73-77 MIRAMAR, CALIFORNIA STATION MANE NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

ALL WEATHER COMBITION

=

1833

155

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

JAN	MONTH	10	HOURS (L.S.T.)	
	YEARS			
73-77		ALL MEATHER	61488	COMBITION
R, CALIFORNIA	STATION NAME			
MIRAMAR				

0

0

SPEED (KNTS) DIR.	::	• •	7 - 10	11 - 16	17 . 21	22 . 27	28 . 33	34 . 46	41 - 47	48 - 55	8		*
z	3.2	6.1	9.									5	5.8
NNE	1.3	9.										1	1.9
NE NE	1.3	9.										ī	1.9
ENE		9.	9.									1	1.3
	1.9	2.0	9.	9.								5	8.8
ESE	1.9	6.5	1.3									1	2.
35	9.	1.3	1.9	9.								7	4.5
SSE	3.9	5.2	4.5		9.							14.2	2
8	3.2	2.6	2.6	6.1								E • 01	173
SSW	9.	5.2	9.	1.3								1.	1.
SW.	٥.	1.3										T	6.
WSW	1.3	1.9										3.2	2
*	3.2		1.3	9.								.8	2
WWW	1.3	9.	1.3		9.							3.9	6
WW	1.9	9.		9.								3.2	2
MMM	2.6		9.	9.								3.	6
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	17.4	4
	29.0	7.66	16.1	6.5								100.0	C

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

000

93107

0

0

0

0

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

JAN	момти	13	NOURS (L.S.T.)	
	YEARS			
73-77		ALL WEATHER	55713	CONDITION
AR, CALIFORNIA	STATION NAME			
MIRAMA				

(KNTS) DIR.	?	;	7.10	21 . 16	17 - 21	22 . 27	28 · 33	34 - 40	41.0	48 . 55	% Al	*	
z	9.	3.2	1.3									5.2	2
NNE	1.3											1.	• 3
ž				9.								•	9.
E E													
			6.1	1.3								3.2	2
ESE													
35			9.	1.3								1.9	6
SSE				9.								9.	9
s	1.3	3.2	6	1.3			9.					8.4	.+
SSW	9.	2.6		1.3								4.5	10
AS.	9.	9.	2.6	1.3								5.2	
WSW	1.3	6.1	2.0	9.								6.5	100
*	1.9	5.8	7.1	1.3								16.1	-
WWW	2.6	7.7	7.7	3.9	9.	9.						23.2	
×	9.	1.3	4 8	1.9								12.3	*
NNW	1.3	1.3	3.2	1.3								7.1	
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	3.9	0
		1 11	2.7 7.	0 7:	7	. 1	,					000	

DIRNAVOCEANMET SMOS

3

TOTAL NUMBER OF OBSERVATIONS

0

NOWES (LS.T.)

JAN

YEARS

73-77

MIRAMAR, CALIFORNIA

93107

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

ALL WEATHER

1.9 4.5666666666 .	1.3	4.6	7 - 10	91 - 11	17.21	22.22	28 - 33	34 - 40	41.47	48 - 55	8	*	MEAN
1.9 1.9666666666 .													SPEED
1.9 1.9 6			4.5	9.								5.8	8.3
1.9 1.9666666666 .													
1.9 1.9 1.3 1.9 1.3 1.9				9.								9.	16.0
1.96 1.3666666666 .					9.							9.	17.0
1.9 6 1.3 6 1.3 6 1.3 6 2.6 8.4 10.3 6 2.6 8.4 10.3 6 7.1 14.8 2.0 6 1.9 5.2 1.9				1.3	1.3							5.6	15.3
1.9 .c 1.3 2.6 1.3 .c 1.3 2.6 1.5 .c 1.3 2.6 1.5 .c 2.6 8.4 10.3 2.6 .c 7.1 14.8 2.6 .c 7.1 14.8 2.6 .c 7.1 14.8 2.6 .c	-												
1.3 2.6 1.3 2.6 1.3 2.6 1.3 2.6 1.3 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6		1.9	9.									2.6	5.8
2.6 8.4 10.3 .6 2.6 8.4 10.3 .6 7.1 14.8 2.6 6 1.9 5.2 1.9	-		1.3									1.3	0.6
1.3 2.6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .	9.		1.9	9.		9						3.9	11.0
2.6 8.4 10.3 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6 .6		9.		9.	9.							3.9	6.3
2.6 8.4 10.3 .6 2.6 7.1 14.8 2.6 1.9 5.2 1.9 5	1	2.6	9.	9.								5.2	0.9
2.6 8.4 10.3 .6 7.1 14.8 2.6 7.1 14.8 2.6 7.2 1.9 5.2 1.9		1.3	9.	9.								3.2	9.9
2.6 8.4 10.3 .6 7.1 14.8 2.6 .6 1.9 5.2 1.9	-	5.8	3.2	1.9								11.6	7.3
7.1 14.8 2.6 3.2 1.9 5.2 1.9	2	8.4	10.3	9								21.9	6.8
6 1.9 5.2 1.9		7.1	14.8	2.6								24.5	8.0
		1.9	5.2	6.1	9.							10.3	0.6
	1												
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	X	$\bigvee$	1.9										
6.71 6.44	7.7	29.7	44.5	12,3	3.2	4						0.001	7.9

0

9886

2

155

TOTAL NUMBER OF OBSERVATIONS

H

1180

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

2

SURFACE WINDS

73-77 ALL WEATHE

STATION NAME

MIRAMAR, CALIFORNIA

YEARS

CONDITION

19 HOURS (LS.T.)

JAN

4.8 6.0 6.3 0.9 MEAN WIND SPEED 10.0 6 5.2 1.9 7.6 4.5 5.2 3.9 1.9 6.1 2.6 6.9 15.5 21.9 100.0 \* 12 . 55 4 . 47 7 \$ 2 9 . ຊ 28 22 . 27 0 17 - 21 5.1 0 11 - 16 17.4 9. C . T 0.0 9. 0 . 7 . 10 34.8 6.5 3.9 6.1 5.1 1.3 1.3 9. .. . 2.5 9. 21.3 1.9 2.0 5.6 5.5

SMOS DIRNAVOCEANMET

0

Ē

93107

SUBSACE WINDS JAN 78

0

..

SPEED (KNTS) DIR.

ZZZ

ENE

- 2 2 2

WNW

\*

N N VARBL CALM

WSW WSW

SSW

.

## SURFACE WINDS

=

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 MIRAMAR, CALIFORNIA

93107

0 0

0

0

YEARS

ALL WEATHER

2.2 HOURS (1.5.T.)

JAN.

COMBITION

(KNTS)		• •	7.10	11 . 16	17.21	12.11	28 - 33	2. 2	4.0	8 . 33	<b>%</b>	*	MEAN WIND SPEED
z		1.3	9									1.9	
NNE	1.9	2.6	9.									5.2	
NE NE	2.6	2.6	1.3									6.5	
ENE	2.6	1.9	6.1	9.								7.1	
	7.1	13.5	11.0									31.6	
353	4.5	5.2	5.2									14.8	
35	9.	1.9										2.6	
35£	9.		9.	9.								1.9	
		2.6	6.1									4.5	
SSW					9.							9.	
SW			9.									9.	
WSW			9.									9.	
*	0.		9.	9.								1.9	
WWW		9.	1.9									2.6	
MW			9.									9.	
MNW													
VARBL													
CALM	X	X	X	$\bigvee$	X	X	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	16.8	
	20. A	32.3	27.7	1.0	4							100.0	

=

DIRNAVOCEANMET SMOS

0

0

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

5702 SURFACE WINDS JAN 78

SURFACE WINDS

200

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

20

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MIRAMAR, CALIFORNIA STATION NAME

93107 STATION

73-77

YEARS

ALL HOURS (L.S.T.)

ALL WEATHER

SPEED (KNTS)	1.3	4.4	7 - 10	11 . 16	17 - 21	n - n	28 - 33	34 - 40	41.47	48 - 55	95 Al	×	WIND
z	1.4	2.1	2.0	.2								5.7	5
N.K.	1.5	1.9										3.7	4.
ž	1.	1.1	1.	.2								2.7	5.4
ENE	1.6	2.3	••	6.								5.0	5.3
	4.2	9.5	7.5	(C)	.2							22.3	5.5
ESE	5.7			4.								8.0	5.6
35			. 7	100								2.6	6.3
SSE	00	1.3	1.5	4.	.1							4.0	6.8
•	1.5	1.5	1.6	so.	.1		.2					5.3	7.3
SSW	E.	1.4	• 3	4.	.2							2.7	7.3
NS.	10.	3.	•	173								2.1	6.5
WSW	SO.	1.0	9.	• 2								2.3	9.9
*	.3	1.6	2.0	9.								5.1	7.0
WNW	0.	2.3	3.1	la.	.2							7.3	7.6
×	5.	1.2	3.1	•								5.6	7.5
NNN	1.1	9.	1.2	3.	. 1							3.5	6.9
VARBL													
CALM	$\bigvee$	12.1											
	18.5	32.9	28.3	6.8	1.0		.2					100.0	5.6

0

0

1240

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

3110

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

73-77

MIRAMAR, CALIFORNIA STATION MANE

93107

0

0

0

0

13

0

0

0

0

YEARS

HOURS (L.S.T.)

FEB

WEATHE CLASS

COMBITION

SPEED (KNTS) DIR.	1.3	9.7	7 . 10	11 . 16	17 . 21	22 . 27	28 - 33	34 - 40	41 - 47	48 - 55	% AI	*	MEAN
z	4.3	2.1	6.									7.1	3.7
Z													
NE NE	2.1	.7	7.									3.5	3.6
ENE	2.8	3.5										4.9	3.7
3	8.5	18.4	5.7									32.6	6.4
ESE	2.1	6.3	5.0	1.4								12.8	6.8
SE		1.4	1.4	.7								3.5	4.8
SSE	2.8	1.4	.7	. 7								5.7	4.8
8	1.4	1.4	.7	. 7								6.4	6.2
SSW	1.		1.	.7								2.8	7.8
SW	.7		.7									1.4	6.5
WSW		1.	.7									1.4	6.5
*		2.1	.7									2.8	6.3
WWW			.7									.7	7.0
NW			.7									7.	7.0
NNN	1.6											1.4	2.0
VARBL													
CALM	$\bigvee$	$\bigvee$	X	X	X	X	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	12.8	
	27.0	36.9	19.1	4.3								100.0	4.6

=

8888

TOTAL NUMBER OF OBSERVATIONS

. .

MEAN WIND SPEED

6.4

39.7 12.1

7.8

5.5

7.4

3.5

5.7

10.5

1.4

5.0

5.5 0.4

1.6 . 7

7.0

2.8

4.8

100.0

19.9

1.4

NNN VARBL CALM

11.3

SURFACE WINDS

5000

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

20

(FROM HOURLY OBSERVATIONS)

73-77

MIRAMAR, CALIFORNIA

93107

0

0

MEATHER

ALL

YEARS

0.4 MOVES (1.5.T.)

COMBITION

1	VI 8			
-	48 · 55			
	41.40			
	34 . 40			
	28 - 33			
1	22 . 27			

17 - 21

11 - 16

7 - 10

4 . 6

. 3

SPEED (KNTS) DIR.

Z

z

E Z

0

.

2.8

w

. 2.0

SSE SSE

WSW

S.

SSW

5

0

WWW

\*

ž

9	3	5	8	8	50	1		4.	1.	1		1	1
1.4	8.5	1.	7.44					1.4	- 7			$\bigvee$	15.6
		2.6	1.4		7.	1.						$\bigvee$	6.4
					. 7							$\bigvee$	.7
												$\bigvee$	
												$\bigvee$	
												$\bigvee$	
												$\bigvee$	
												$\bigvee$	
												$\bigwedge$	

TOTAL NUMBER OF OBSERVATIONS

141

SMOS DIRNAVOCEANMET 4.5

3.5 10.6 34.8 6.8

1.4

15.6

4.4

5.0

0.5

8.1

2.1

2.0 5.5 0.6 5.0

1.4

2.1

101

WIND SPEED

×

12

48 . 55

22 - 27

17 - 21

11 . 16

7 - 10

4.6

1.3

SPEED (KNTS) DIR.

1.4 6.6

1.4 17.0

1.4

0

1.44

. .

1.4

3.5 7 . 7

- 2 2 2

2.1

1 .

.

WWW

\*

NN X

VARBL CALM

0

MSM

N.

SSW

•

1.

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

20

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

I

SURFACE WINDS

73-77

MIRAMAR, CALIFORNIA STATION MANE

93107 STATION

0

0

0

0

0

WELTHER

Y.L.

YEARS

07 HOURS (L.S.T.)

FEB

100.0

TOTAL NUMBER OF OBSERVATIONS

SMOS DIRNAVOCEANMET

0

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

73-77 MEATHER ALL MIRAHAR, CALIFORNIA STATION MARKS NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93107 STATION

NOURS (L.S.T.)

FER

SPEED (KNTS) DIR.	£:-	• •	7 . 10	11 - 16	12 - 21	22 - 27	28 . 33	3	41 . 47	48 - 55	8	*	MEAN WIND SPEED
z	2.8	3.5	1.4	1.4								9.2	5.3
NNE	7.	.7										1.4	3.5
W.													
ENE	7.	1.4		7.								2.8	0.9
	1.64	2.	7.									2.8	8.4
ESE	4.	1.4										2.3	4.3
35	1.4	1.4	1.64									4.3	4.7
SSE	7.	2.8	2 . 8									7.9	5.7
s	5.7	2.8	2 • 8	2.8	. 7							14.9	6.5
SSW	1.	2.1	1.4	.7								5.0	1.7
NS.		1.4										1.4	5.5
WSW	2.1	.7	I.4									6.3	4.8
*	6.3	8.7	2 . 1	.7		7.						10.6	0.0
WWW			1.4	1.4								2.8	10.0
×	2.1	2 . 8		.7								5.7	5.4
NNN	1.4	3.5	1.4									6.4	5.3
VARBL													
CALM	$\bigvee$	$\bigvee$	X	$\bigvee$	19.9								
	24.8	28.4	17.0	8.5	7.	7						100.0	7.7

848

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

1881

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

日るの

ALL MEATHE

73-77

MIRAMAR, CALIFORNIA

93107

0

0

0

SPEED (KNTS) DIR.

0

0

¥ = %

0

22 22

0

.

358

•

0

YEARS

13 HOURS (LS.T.)

FEB MONTH

10.5 6.5 7.6 6.0 6.3 9.5 8.7 8.3 MEAN WIND SPEED 8.1 0. . 9 1.4 20.6 1.4 1.4 2.1 4.3 7.1 3.5 5.7 19.1 100.0 24.1 \* 3 48 - 55 41 - 47 34 - 40 28 - 33 22 - 27 7. 17 - 21 21.3 4.3 11 . 16 40.4 6.0 \* 10.0 7 - 10 1.4 6.4 27.0 2.8 3.0 . 4 . 7.1 4 . 6 2.1 -3

\*\*\*

\*

N S VARBL

0

CALM

0

0

0

SSW

WSW

0

NS.

3

141

=

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

16 HOURS (L.S.T.) FEB 73-77 ALL WEATHER CONDITION MIRAMAR, CALIFORNIA STATION NAMES NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SPEED (KNTS) DIR.	1.3	• •	7 - 10	11 . 16	17 - 21	2.2	28 - 33	4 . 4	41 - 47	48 - 55	95 Al	*	MEAN WIND SPEED
z		2.1	3.5	.7								4.9	8.2
NN													
¥			1									. 7	0.0
ENE			.7		1							1.4	13.5
ESE			1.									4.	10.0
SE													
SSE		1.4										1.4	6.0
		.7	.7	1.4								2.8	0.6
SSW		1.4	4.3	2.1								6.3	7.6
AS.	.7	.7		1.4								2.8	8.0
WSW		1.4	1.04	1.								3.5	8.2
*		3.5	9.2	2.8	7.							16.3	9.2
WWW	1.	4.0	11.3	2.1								50.6	7.7
¥		4.9	13.5	5.0								24.8	8.9
NNW	1.4	1.4	7.1	3.5								13.5	8.9
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	.7	
	2.8	28.8	4.04	19.0	7 1							100.0	a

===

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

17594 64164

1550

141

TOTAL NUMBER OF OBSERVATIONS

#### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NOURS (LS.T.) FEB YEARS 73-77 ALL WEATHER CONDITION MIRAMAR, CALIFORNIA STATION MANE NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

E

DIRNAVOCEANMET SMOS

0 0

93107

0

0

0

0

0

0

0

...

141

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

Ē

FEB 22

YEARS

73-77

MIRAMAR, CALIFORNIA

93107

0

0

0

0

MEATHER

SURFACE WINDS

сомытом	
CORDITION	

	3.5 2.8 3.5 2.8 1.4 .7	2.8 2.8 2.8 1.4	2.8 8 2.8 1.4	3.5 2.8 3.5 2.8 1.4 2.1 1.4 2.1 1.4 7	3.5 2.8 3.5 2.8 1.4 2.1 2.1 1.4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	3.5 2.8 3.5 2.8 1.4 2.1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	3.5 2.8 3.5 2.8 1.4 2.1 7 1.4 7 1.4	2.8 2.8 2.8 1.4
	1.4	1.4	7 7	1. 4 . 7 . 7 . 7	1.4 .7 .7 .7	1.4 7 7 1.4	1.4 .7 1.4	1.4 .7 .7 .7
8.2			7.	7 7 7	7 7 7 7 7 7	1.4	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7 7 7
2.8								

1

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 WELTHER CLASS

MIRAMAR, CALIFORNIA STATION MANE

93107

0

0

ALL HOURS (LS.T.)

CONDITION

SPEED (KNTS) DIR.		• •	7 . 10	11 . 16	17 - 21	22 . 27	28 - 33	34 . 46	41.0	48 - 55	% Al	*	
2	2.1	2.0	1.7	(9)								0.9	
NNE	5.	1.2	• 2	. 1								2.0	
NE NE	5	8.	4, •	.1								6.1	
ENE	2.0	2.5	4.	.2	.1							5.2	
	5.1	6.8	3.6	. 1								17.6	
ESE	1.1	3.6	1.9	9.								2.7	
SE	0.1	1.4	1.0	6								3.6	
SSE	1.2	1.6	9									3.6	
8	1.3	1.6	1.5	1.2	.2							8.8	
SSW	9.	1.2	9.	6.	. 2							3.5	
SW	. 5	.7	-2	47 *								1.9	
WSW	5.	1.2	6.	.2		-						2.8	
*	8	2.6	3.0	.3	. 1							6.7	
WWW	.3	1.9	3.5	1.0								9.9	
NA	8	2.5	3.4	1.2								6.7	
MNN	1.4	1.7	2.0	10								9.5	
VARBL													
CALM	$\bigvee$	0.11											
	19.7	35.0	25.0	4	v	1.6						1000	

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

Ē

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHE

MIRAMAR, CALIFORNIA

93107 STATION

NOURS (L.S.T.)

MAR

COMBITION

SPEED (KNTS) DIR.	1.3	4.4	7 - 10	11 - 16	17 - 21	22 . 27	28 · 33	34 . 46	41 - 47	48 - 55	% AI	*	MEAN WIND SPEED
z	2.6	6.1	9.									5.2	
Z Z	1.3											1.3	2.0
az.	• 6		1.9									2.6	0.9
ENE	1.9	1.9		0.								4.5	4.7
	6.5	12.9	5.8									25.2	4.8
ESE	3.9	4.5	3.9									12.3	4.8
SE	1.3	3.2	9.									5.5	4.8
SSE	2.6	3.2	6.1	9.								3.4	5.7
•	1.3	3.9	9.	7.3								7.1	6.2
SSW	1.9	1.9	9.									4.5	4.6
AS.	9.	9.	9.									1.9	3.
WSW		9.	9.									1.3	5.5
*	1.3	1.3	9.									3.2	4.0
WWW	1.3		9.		9.							2.6	7.0
¥		9.	1.3	9.								2.6	9.6
MNN													
VARBL													
CALM	$\bigvee$	$\bigvee$	X	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	12.3	
	27.1	36.8	20.0	3.2	9.							100.0	7

155

251

155

TOTAL NUMBER OF OBSERVATIONS

HAR

0.4 NOURS (L.S.T.)

.

SURFACE WINDS

DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS)

73-77 ALL

MIRAMAR, CALIFORNIA

93107 STATION

0

0

YEARS

WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	÷.:	• •	7 . 10	11 . 16	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	% AI	*	WEAN WIND SPEED
z	2.6											2.6	2.0
NN	1.3	9.										1.9	2.3
w Z		1.3	9.									1.9	6.3
ENE	3.2	3.2										6.5	3.6
	0.6	11.0	5.5	9.								25.8	5.1
ESE	2.6	5.5	3.9	9.								12.3	5.7
35	1.3	2.6	9.									4.5	4.4
SSE	1.3	9.	2.6									4.5	5.9
•	1.9	3.9	1.3	17	9.							0.6	6.9
SSW		1.03	1.3									2.6	6.8
AS.		1.3										1.3	5.5
WSW	9.	1.3										1.9	. 49
*		9.										9.	4.0
WWW	1.3	I.3	9.	1.3								4.5	7.3
¥	9.	1.3	1.3	1.3								4.5	8.4
NNW	1.3	9.										1.9	3.0
VARBL													
CALM	X	X	X	$\bigvee$	13.5								
	27.1	36.1	17.4	5 2	9							100.0	4.

1

3

Q.

0

931

0 40

07 NOURS (LS.T.)

MAR

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0 40

73-77

MIRAMAR, CALIFORNIA

93107

0

WEATHER CLASS

COMBITION

SPEED (KNTS) DIR.

0

0

0

0

0

0

0

0

5702 SURFACE WINDS JAN 78

0

0

1

3 3 0.4 4.8 9.3 4.8 5.0 MEAN WIND SPEED 3.9 9.7 3.9 2.6 2.6 3.9 10.3 00.00 18 48 - 55 41 - 47 34 - 40 28 . 33 22 - 27 17 . 21 0 11 . 16 0.6 2.6 1.3 ... 5.0 . • 9. 7 - 10 9. 0 6.1 0. 3.5 4.5 0. 0 9 4.6 1.3 WSW WWW

SSW

NN X VARBL

CALM

0

0

TOTAL NUMBER OF OBSERVATIONS

HON

155

0

DIRNAVOCEANMET SMOS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

73-77

MIRAMAR, CALIFORNIA

93107

WEATHER CLASS

NOURS (L.S.T.)

=

34 - 40

28 - 33

22 - 27

17 - 21

11 - 16

7 . 10

4.6

-3

SPEED (KNTS) DIR.

0

0

5702 SURFACE WINDS JAN 78

0

155

0

3.5 6.6 4 . 4 6.5 6.0 6.2 6.3 MEAN WIND SPEED 0.6 1.3 0.6 0.6 12.3 12.3 13.5 9. 8 48 - 55 41 - 47

> 0. 1.3 ...

0

0.

- 3 × 3

9.

9

2.0

•

3.9

5.6

3.5

\* WSW WSW

WWW NWW VARBL

9.

28.4

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

93107

000

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13 HOURS (1.5.T.)

MA P.

YEARS

73-77

MIRAMAR, CALIFORNIA

93107

WEATHER CLASS

2.6

MEAN WIND SPEED

12

48 - 55

41 - 47

34 - 40

28 - 33

22 - 27

17 - 21

11 - 16

7 - 10

4.6

1.3

SPEED (KNTS) DIR.

0

5702 SURFACE WINDS JAN 78

Q

0

8.8 10.3 9.1 3.9 6.5 31.0

15.5 6.9

9.

0.0

5.6

WNW

¥ \*

15.5 8.4 7.5

5.6 1.3 4.5 3.2

SW WSW

\*

36.8

37.4

17.4

100.0

6.6

-

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

20

0

0

Q 0 0

0

0

NNW CALM

0

3818

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NOURS (LS.T.) MAR YEARS 73-77 WEATHER CLASS MIRAMAR, CALIFORNIA STATION MANE

SPEED (KNTS) DIR.	:	•	7 - 10	11 . 16	17 - 21	22 - 27	28 · 33	34 · 40	41 - 47	48 - 55	VI 98		*
z	9.		9.									1	3
JAN 1													
¥													
ENE	•											•	9.
3		9.										•	9.
353			9.									•	9.
35				9.								•	9.
SSE													
•						9.						•	9.
SSW		• 6	9.	1,3								2.6	9
SW	9.		3.2	9.								4.5	10
WSW		3.2	6.1	9.	1.3							7.	_
*	L . 3	5.2	0.6	5.8	9.							21.9	6
WWW	1.3	5.2	7.7	10.3	3.2	9.						28.4	4
WN		1.9	12.9	L. L	1.3							23.	0
MNN		3.2	3.2		9.							7.	-
VARBL													
CALM	$\bigvee$	0.	0										
	4.5	20.0	0.04	1 76	1 4	1 0						1000	10

=

DIRNAVOCEANMET SMOS

===

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93107 STATION

1

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

20

73-77

MIRAMAR, CALIFORNIA STATION NAME

93107

0

0

0

0

0

0

0

YEARS

19 HOURS (1.5.T.) MAR

WEATHER CLASS

ALL

CONDITION

41 - 47			
34 - 40			
28 - 33			
	T		

MEAN WIND SPEED	11.0 5.2	1.9 7.0	0.9 9.		1.3 2.0	1.9 6.3	2.6 6.3	1.3 10.0	5.8 6.2	7.1 5.2	5.2 3.3	9.7 5.0	12.9 5.9	12.3 5.7	17.4 5.5		0.6	
48 · 55   2   56																	X	
34 - 40 41 - 47																	X	
22 - 27 28 - 33																		
11 . 16 17 . 21						9.	9.	9.				9.	1.3	9.			X	
4.6 7.10	3.2 3.9	.6 1.3	9.			9.	1.3	9.	3.9	3.9 1.3	2.6	3.2 1.3	3.9 3.9	5.2 3.2	7.1 5.8		V V	
1:3	3.9				1.3	9.	9.		1.9	1.9	2.6	4.5	3.9		4.5			
SPEED (KNTS) DIR.	z	NN	Z.	ENE	ESE	SE	SSE	s	SSW	SW.	WSW	*	WNW	XX	MNN	VARBL	CALM	

===

TOTAL NUMBER OF OBSERVATIONS

133

4888

J

200

22 HOURS (L.S.T.)

MAR

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 73-77 ALL WEATHER MINAMAR, CALIFORNIA STATION NAME SHE A THER SERVICE

CONDITION

SPEED (KNTS) DIR.	1.3	4.6	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	% AI	*	
z	1.3	4.5		9.								6.5	
NN	0.	5.2										5.8	
NE	1.9	9.										2.6	
ENE	3.2	9.										3.9	
3	8.4	11.6	9.									20.6	
ESE	3.2	4.5	9.									9.4	
38	9.	3.2										3.9	
SSE	3.2	1.9	1.3									6.5	
s	1.3	4.5	1.3	1,3								8.4	
SSW	.6	1.3	9.									2.6	
SW	1.3											1.3	
WSW		1.3	1.3	9.								3.2	
*	2.6											2.6	
WNW	1.3	1.9	1.3	9.								5.5	
WW		9.										9.	
WNN	1.3	1.9	9.									3.9	
VARBL													
CALM	$\bigvee$	14.2											
	31.0	43.9	7.7	50								100.0	

Q.

TOTAL NUMBER OF OBSERVATIONS

155

E

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS) NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

WEATHER CLASS

ALL HOURS (LS.T.)

MONTH

YEARS

73-77

STATION NAME

MIRAMAR, CALIFORNIA

93107 STATION

0

0

0

20

CONDITION

SPEED 1	z	NNE	NE	ENE	7 3	ESE	SE	SSE	8	SSW	WS.	WSW	*	WWW	WW	MNN	VARBL	CALM	
	1.5	30	4.	1.5	4.3	2.1	00	1.2	0.1	0.1	6.	003	1.9	9.7	7.	.3		$\bigvee$	
• •	1.7	1.0	• 5	6.	5.6	2.5	1.2	1.4	2.6	1.5	1.2	1.5	2.3	2.3	2.2	2.1		X	
7 - 10	1.0	4.	5.	• 1	2.7	1.5	4, •	1.0	1.1	1.3	1.0	1.2	3.8	3.5	3.3	1.5		$\bigvee$	
9	2.			•		.2	.2	.2	1.0	8.	W)	5.	2.4	3.1	2.3	.3		$\bigvee$	
17 - 21	.1								.2			.2	.2	9.	.2	.2		$\bigvee$	
22 - 27									.2	5				0				$\bigvee$	
28 · 33																		$\bigvee$	
34 - 40																		$\bigvee$	
41.47																		$\bigvee$	
48 - 55																		$\bigvee$	
VI 86																		$\bigvee$	
*	4.6	2.3	1.2	2.6	12.9	6.2	5.6	3.7	6.1	4.7	3.6	2.4	10.5	11.5	8.8	5.4		9.2	
MEAN WIND SPEED	5.3	4.3	5.0	3.5	4.7	6.4	4.7	5.4	7.7	7.6	6.7	7.1	7.8	0.6	8.7	6.2			

0

DIRNAVOCEANMET SMOS

Witness and Street, or other Persons and Stre

1240

4.2

20.0 13.3 0.0 6.4

4 . 7 4.7 2.0

5.3

4.7

4.6

0.9

100.0

20.7

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 WE A THER 777

YEARS

HOURS (LS.T.)

A P R

COMDITION

MEAN WIND SPEED 2.0 1.3 \* 12 48 - 55 41 - 47 34 - 40

28 . 33

22 . 27

17 - 21

11 - 16

7 - 10

4.6

. 3

SPEED (KNTS) DIR.

2.0

Z

# W

.

TIONS	
OBSERVA	
ö	
NUMBER	
TOTAL	

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

93107

MIRAMAR, CALIFORNIA

0

0

0

0

0

1.3

1.3

3.3 2.0

25 SE 55

0.4

0.00 9.3 2.0 2.7

7 . 7 1.3

0.7

1.3 6.1

1.3 1.3

WSW WSW

SSW

.

\* WW

VARBL CALM

NNK

¥

16.0

MEAN WIND SPEED

0 \* 4

2.3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

000

(FROM HOURLY OBSERVATIONS)

73-77

MIRAMAR, CALIFORNIA STATION MANE

93107 STATION

0

0

0

0

0

0.4 NOURS (L.S.T.)

APR

WEATHER

ALL

CONDITION

0.9 2.0 0.9 2.0 4.7 2.0 19.5 5.4 0.9 0.9 2.0 20.1 100.0 \* % Al 48 . 55 41 - 47 34 - 40 28 - 33 22 - 27 17 - 21 11 - 16

3.4

1.4 6.7

1.3 1.3

> 4.7 4.7

N N N

0

z

0.4

2.0 0.7 3.4

SSE SE

0 \* 5

.

2.

2.0

1.3

WNW

\*

NN. VARBL CALM

ž

WSW

SW

SSW

50

7 - 10

4.6

-:3

SPEED (KNTS) DIR.

111

3.7

4.0 4.5

4.5

4.9

8.3

TOTAL NUMBER OF OBSERVATIONS

13.4

37.6

26.8

149

3.8

## B #

SMOS DIRNAVOCEANMET

2019

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-77 ALL MEATHER

MIRAMAR, CALIFORNIA

93107 STATION

0

0

0

0

0

0

0

HOURS (L.S.T.)

APR

COMBITION

SPEED (KNTS) DIR.	1.3	9.4	7 . 10	91 - 11	17 - 21	12 - 17	28 - 33	34 - 40	0.14	48 - 55	98 41	*	MEAN WIND SPEED
z	1.3	2.0	7.									0.4	3.8
N N	.7	7	.7									2.0	0.9
¥	.7											1. "	2.0
ENE	1.3	1.3										2.7	3.5
3	3.3	9.3	2.7	7.								16.0	5.0
353	1.2	6.7	.7									0.01	4.5
35	2.0	2.0	1.3	.7								0.9	5.7
SSE	3.3	2.7	.7									6.7	3.9
s	3.3	2.7	2.7									2.8	4.7
ASS	2.7		1.3									0.4	4.3
MS	4.	.7	2.0									3.3	4.9
MSM	1.3											1.3	2.0
*	L.	2.0	. 7									3.3	4.8
WNW	4.		2.0	7.	7.							0.4	10.5
MN	1.3											1.3	1.5
MNN	0.4	.7										4.7	2.3
VARBL													
CALM	$\bigvee$	21.3											
	30.0	30.7	15.3	2,0	7.							100.0	33

0

0

3

3

3

3

0

9888

150

TOTAL NUMBER OF OBSERVATIONS

TOTAL NUMBER OF OBSERVATIONS

#### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93107

0

0

0

0

0

0

0

0

0

3

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER CONDITION MIRAMAR, CALIFORNIA

NOURS (L.S.T.)

APR

SPEED (KNTS) DIR.	::	;	7 - 10	11 - 16	17 - 21	22 . 27	28 - 33	34 - 46	41.47	48 - 55	% Al	×	WIND SPEED
z	2.7	2.0	1.3									6.0	5.0
NNE	7.			7.								1.3	6.5
NE				7.								.7	14.0
ENE		1.										.7	5.0
F			2.0									2.0	7.7
ESE												2.	2.0
SE	1.3			.7								2.0	7.0
SSE	7.											7.	2.0
S	7.	4.7	2.0									7.3	5.7
SSW		2.0	1.3									3.3	5.5
SW		0.0	2.0	.7								8.7	6.2
WSW		2.0	2.7	7.								0.9	7.1
*	3.3	6.7	4.7	2.7								17.3	6.5
WWW	0.4	2.7	4.7	2.7	.7							14.7	7.7
WW	2.7	2.7	0.4	1.3		7.						11.3	7.6
NNW	2.0	4.7										6.7	4.0
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	X	X	X	$\bigvee$	$\bigvee$	$\bigvee$	10.7	
	19.3	34.0	24.7	10.0	7	ku .						0 001	ox u

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13 HOURS (L.S.T.) 73-77 CONDITION MIRAMAR, CALIFORNIA STATION NAME

SPEED (KNTS) DIR.	-:	•	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 . 40	4 . 4	48 · 55	9 Al	*	MEAN WIND SPEED
z				7.								7.	12.0
NN			.7			7.						1.3	15.0
W.													
ENE													
ESE													
35													
SSE													
•	1.			1.3								2.0	0.6
SSW		1.	2.7	1.3								4.7	1.8
SW		7.	4.7	1.3								6.7	9.2
WSW		1.3	4.7	2.7								8.7	€.0
*	1.	4.7	14.7	10.0	1.3							5.16	9.6
WWW	7.	2.0	7.3	7.3								17.3	10.1
¥		4.7	8.7	8.7	7.							22.7	6.6
NNN			1.3	2.0								3.3	10.6
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	1.3	
	2.0	14.0	44.7	28. 2	2.0	28						0000	4

0

0

0

0

0

SMOS DIRNAVOCEANMET

0

9

150

TOTAL NUMBER OF OBSERVATIONS

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

YEARS

ALL WEATHER

CONDITION

1.6 HOURS (L.S.T.) APE

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107 STATION

=

#### SURFACE WINDS JAN 78

SURFACE WINDS

944

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

73-77

MIRAMAR, CALIFORNIA

93107 STATION

0

0

0

0

YEARS

NE ATHER

1.9 HOURS (L.S.T.)

APR

1

TOTAL NUMBER OF OBSERVATIONS

150

DIRNA VOCEANMET SMOS

0. 4 0.4 0.4

13.3

3.3

14.0 6.7

MEAN WIND SPEED

=

5.0 6.8 4 . 8 4.0

5.3

. 3

7.7

\*N\*

\*

VARBL

CALM

N. N.

.

1.3

WSW

3K

SSW

40

m.

2.0 0.4

8.7

ESE SSE

z z

W. ENE

0

4.0

21.3

3.3

4.0

10.7

100

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

MIRAMAR, CALIFORNIA STATION MANE

NEATHER

ALL

CLASS

2.2 HOURS (L.S.T.)

A P R

CONDITION

	N 86				
	48 - 55				
	7.10 11.16 17.21 22.27 28.33 34.40 41.47 48.55				
	34 - 40				
	28 - 33				
	22 - 27				
	17 - 21				
	11 - 16				
	01 - 2	1.3			
	4.6	0.9	2.0	.7	
1	1.3	0.9	1.3		1

100.0

° €

34.7

TOTAL NUMBER OF OBSERVATIONS

1111

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

2

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

MIRAMAR, CALIFORNIA STATION NAME

93107 STATION

THLVJM

YEARS

ALL HOURS (LS.T.)

CONDITION

SPEED (KNTS)	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	95 Al	×	MEAN
z	1 23	2.2	1.3	6								5.6	F. 3
N.N.	4.	4.	63	.2	-							1.4	7.4
¥	C.J.	4.										.8	4.7
ENE	1.0	10.										1.5	2.8
	2.8	4.7	1.5									0.6	4.5
ESE	1.3	3.4	. 33	1.								5.5	6.4
SE	E•1	6.	4.	.2								2.8	4.3
\$5E	1.6	1.3	30									3.2	3.9
8	1.6	2.4	1.5	23								5.8	5.5
SSW	8.	.5	1.3	5.								2.8	6.1
AS.	5	1.6	7.7	5.								0.4	8.9
WSW	8.	1.0	1.6	9.	1.							4.1	7.3
*	1.3	3.3	4.8	2.5	.3		. 1					12.7	7.8
WNW	6.1	3.0	5.5	2.8	.2							12.3	8.0
NA	1.4	2.8	3.0	2.1	.3							4.6	7.9
NNN	1.6	1.9	1.4	.7	.2							5.8	6.4
VARBL													
CALM	$\bigvee$	13.1											
	20.9	30.4	23.9	10.4	1.1		. 1					100.0	5.6

1110

000

1199

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

2.7

3.9 6.1

MEAN WIND SPEED

\*

12

28 . 33

22 . 27

17 - 21

11 . 16

7 - 10

4.6

-3

SPEED (KNTS) DIR.

2.5 .

1.3

NN

Z ENE

2.0

.6

## SURFACE WINDS

Ē

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

MIRAMAR, CALIFORNIA

93107

ALL WEATHER

YEARS

HOURS (L.S.T.)

MAY

CONDITION

3.9 0.6 5.8 2.6 7.7 13.5 3.9 3.9 3.2 4.5 5.5 3.5 27.1

> ... 4.5 1.3

3.2 5.6

SSE

\*

.6 3.5 6.5 6.1

3.6

6.5

ESE

.

35

.

1.3

WNW

\*

ž

WSW

SSW

SW

VARBL CALM

NN

5.6 6.1

1.3

9.

29.7

31.6

7.2

4.7

TOTAL NUMBER OF OBSERVATIONS

155

3.1

100.0

DIRNAVOCEANMET SMOS

12574 62181

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

3.0

1.9

1.3

×

۱۷ چ

48 - 55

41 - 47

34 - 40

28 . 33

22 - 27

17 - 21

11 . 16

7 - 10

4.6

1.3

SPEED (KNTS) DIR.

3.3 3.4

1.9

6.5

3.5

6.5

5.8 4.9 0.9

4.5

4.6

4.5

6.3

3.9

9.

0.4

4.5

2.0

3.9

5.5

31.6

100.0

3

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS

DIRECTION AND SPEED

188

(FROM HOURLY OBSERVATIONS)

73-77

MIRAMAR, CALIFORNIA

93107 STATION

0

0

0

0

YEARS

HOURS (L.S.T.)

MONTH MAY

WEATHE

ALL

CONDITION

2.0 1.3

3.9 5

•

0

9.0 3,2

3.9

1.3

0

35 St 55

0

1.3

SSW

...

4.3

Z Z Z

3.6

.

6.1 9.

0

WSW WSW

0

6.1

5.0

\* WW

1.3

0.

0.

2.6

¥

1.

9.

NNA VARBL CALM 25.8

A. C. C.

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

SURFACE WINDS JAN 78

#### SURFACE WINDS

=

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

20

73-77 ALL WEATHER

MIRAMAR, CALIFORNIA

93107 STATION

0

0

0

0

0

0

0

0

0

0

0

0

0

0

YEARS

NOURS (L.S.T.)

МАУ

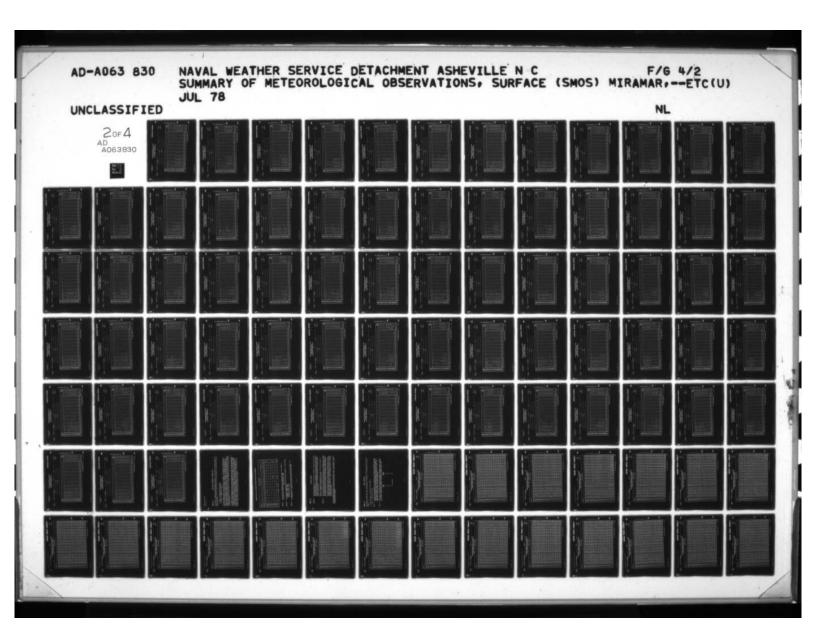
CONDITION

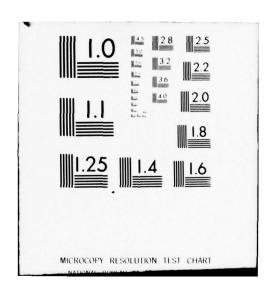
Z Z ZZ		9.4	7 . 10	91 - 11	17 - 21	22 · 27	28 - 33	34 . 40	41 - 47	48 - 55	N 56		*
NN EN E	3.2	5.2											8.4
ENE ENE	9.	9.	9.										1.9
ENE	1.9	9.											2.6
3	2.6	1:9	9.										5.2
ESE	3.2		0.										3.9
SE	• 0		9.	• 6									0.1
SSE	2.0	1.3	1.9									1000	5.8
s	3.9	5.8	4.5										14.2
SSW	3.9		6.1									_	5.8
SW	1.9	1.3	1.9										5.2
WSW	1.9	1.3	9.										3.9
*	5.6	2.6	9.	1.3									7.1
WNW	1.9	1.3		• •									3.9
××	1.3	1.3											2.6
NNN	1.3	1.3	9.										3.2
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$		54.5
	33.5	24.5	14.8	2.6								-	0.001

DIRNAVOCEANMET SMOS

####

155





200

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

CLASS

HOURS (L.S.T.)

MAY

COMBITION

(KNTS)	1.3	;	7 . 10	11 . 16	17 . 21	22 - 27	28 · 33	34 - 40	41 . 47	48 - 55	% Al	*	MEAN WIND SPEED
z	1.3	1.3										2.6	3.8
NNE													
NE NE	9.											9.	2.0
ENE													
ESE													
25	1.3											1.3	2.0
SSE													
8	2.0	9.	1.9	1.9								7.1	7.2
SSW	2.6	3.9	1.9	1.9								10.3	9.9
SW	• 6	3.9	5.2	9.								10.3	7.1
WSW	9.	7.1	3.2		9.							11.6	9.9
*	5.2	8.4	3.9	1.3								18.7	5.3
WNW	1.3	5.2	3.2	1.3								11.0	7.1
*	1.9	4.5	3.9	9.								11.0	6.1
NNN	2.6	3.2	9.	3.								7.1	5.3
VARBL													
CALM	$\bigvee$	X	$\bigvee$	X	X	8.4							
	20.6	38.1	23.9	8.4	9.							100.0	5.6

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

MIRAMARS CALIFORNIA STATION NAME

DIRNAVOCEANMET SMOS

D

1111

155

Ē

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 NE LTHE

MIRAMAR, CALIFORNIA STATION MARK

93107

0

0

0

HOURS (L.S.T.) YEARS

MAY

SPEED (KNTS) DIR.	z	NNE	3N	FNE	ESE	35	SSE		SSW	, ws	WSW	*	WWW	WW	NNN	VARBL	CALM	
::								0.		• 0		9.					X	0 1
•								7.9	2.6	3.9	2.6	7.1	3.2	5.8	9.		M	27 7
7 - 10							9.			2.0	7.7	11.6	12.3	5.2	1.9		$\bigvee$	0 17
11 . 16								1.3	1.9	3.9	1.9	0.6	3.2	5.8	1.3		$\bigvee$	0 36
17 . 21																	$\bigvee$	
22 - 27																	$\bigvee$	
28 · 33																	$\bigvee$	
4 . 4																	$\bigvee$	
4.0																	$\bigvee$	
48 . 55																	$\bigvee$	
% AI																	$\bigvee$	
×							9.	3.9	5.4	11.0	12.3	28.4	18.7	16.8	3.9		0.	0 000
MEAN WIND SPEED							0.6	8.9	6.8	8.3	8.8	9.1	8.9	8.7	9.6			0

0

0

0

0

0

0

Ī

DIRNAVOCEANMET SMOS

3

3

0

Q

1

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

MIRAMAR, CALIFORNIA

MEATHER CLASS ALL

16 HOURS (LS.T.)

MAY

SSE SSW SSW SSW SSW SSW SSW SSW SSW SSW	1.3 2.6 6.5 1.9 1.9 1.9 1.9 1.9 7.7 1.9 1.9 7.7 1.9 1.9 7.7 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9
1.3 2.6 6.5 1.9 1.9 1.9 1.9 1.9 7.7 1.9 1.9 7.7 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	1.3 2.6 6.5 1.9 1.9 1.9 1.9 1.9 7.7 1.9 1.9 7.7 1.9 1.9 7.7 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9
1.3 2.6 6.5 1.3 2.6 6.5 1.9 7.7 1.9 1.3 4.5 16.8 5.2 1.3 2.6 11.0 4.5 6 4.5 6.5 3.9	1.3 2.6 6.5 1.3 2.6 6.5 1.9 7.7 1.9 1.3 4.5 16.6 5.2 1.3 2.6 11.0 4.5 6 4.5 6.5 3.9 6 4.5 6.5 3.9
1.3 2.6 6.5 1.9 7.7 1.9 1.3 4.5 16.8 5.2 1.3 2.6 11.0 4.5 6 4.5 6.5 3.9	1.3 2.6 6.5 1.9 7.7 1.9 1.3 4.5 16.8 5.2 1.3 2.6 11.0 4.5 6 4.5 6.5 3.9
1.3 2.6 6.5 1.9 7.7 1.9 1.3 4.5 16.8 5.2 1.3 2.6 11.0 4.5 6 4.5 6.5 3.9	1.3 2.6 6.5 1.9 7.7 1.9 1.3 4.5 16.8 5.2 1.3 2.6 11.0 4.5 6 4.5 6.5 3.9 .6 4.5 6.5 3.9
1.3 4.5 16.8 5.2 1.3 2.6 11.0 4.5 .6 4.5 6.5 3.9	1.3 4.5 16.8 5.2 1.3 2.6 11.0 4.5 .6 4.5 6.5 3.9 .6 1.9 3.2 1.3
1.3 4.5 16.8 5 1.3 2.6 11.0 4 .6 4.5 6.5 3	1.3 4.5 16.8 5 1.3 2.6 11.0 4 .6 4.5 6.5 3 .6 1.9 3.2 1
1.3 2.6 11.0 4 .6 4.5 6.5 3 .6 1.9 3.2 1	1.3 2.6 11.0 4 .6 4.5 6.5 3 .6 1.9 3.2 1
.6 4.5 6.5 3	.6 4.5 6.5 3 .6 1.9 3.2 1
.6 1.9 3.2 1	.6 1.9 3.2 1
	VARBL

Ē

DIRNAVOCEANMET SMOS

0

=

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93107 STATION

=

155

TOTAL NUMBER OF OBSERVATIONS

#### SURFACE WINDS

E

19

HAY

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

20

(FROM HOURLY OBSERVATIONS)

73-77

WELTHER

ALL

STATION NAME

MIRAMAR, CALIFORNIA

93107

0

0

0

0

0

0

0

0

7.4 4.0 5.4 5.3 WIND SPEED 5.8 5.5 4.5 7.7 10.3 19.4 3.2 00.00 18.1 16.1 × 8 48 - 55 41 - 47 34 - 40 28 . 33 22 . 27 17 . 21 11 . 16 34.2 5.8 5.2 2.0 2 6 3.2 7 . 1 7.10 1.3 2.0 1.1 43.9 9.7 3.5 5.6 0.11 1. 4.6 17.4 1.3 6.1 9.5 9.7 3.5 1.3 SPEED (KNTS) DIR. WHW Z SSW MSM NA W VARBL CALM ENE 25 25 SSE NS. W. . \*

5702 SURFACE WINDS JAN 78

2

===

155

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

200

SURFACE WINDS

YEARS 73-77 WEATHER CLASS MIRAMAR, CALIFORNIA STATION MARKE

22 HOURS (L.S.T.)

MAY

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93107 STATION

Ē

ALL HOURS (L.S.T.)

MAY

YEARS

73-77

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

COMDITION

ALL WEATHER

(KNTS)		;	7 . 10	11 - 16	17.21	n . n	28 . 33	¥ . \$	4.0	48 - 55	*	*	MEAN WIND SPEED
z	1.6	2.7	:									4.5	4.0
NN	.3	10.	•									.7	3.9
¥	4.	.2	• 1									9.	3.4
ENE	• 2	.2										4.	3.0
	2.0	6.	. 2									3.1	3.3
ESE	1.4	6.	• 1									2.3	3.5
35	1.	• 5	-2	. 1								1.5	4.0
SSE	1.3	1.0	0.									2.9	4.5
s	1.9	2.7	2.7	89								8.2	6.3
SSW	1.5	1.7	1.7	.7								5.6	6.4
SW	1.2	2.3	2.8	9.								6.9	6.6
WSW	1.8	2.7	2.9	9.	.2							8.1	6.5
*	2.5	4.2	5.5	2.1								14.3	7.0
WWW	1.7	5.9	4•1	1.5	. 1							10.2	7.2
WW	1.5	4.1	5.9	1.3								8.6	9.9
NNN	1.7	2.3	1.0	4.								6.0	5.6
VARBL													
CALM	$\bigvee$	14.8											
	21.8	7.62	25.5	8.1	. 2							100.0	5.2

DIRNAVOCEANMET SMOS

1240

TOTAL NUMBER OF OBSERVATIONS

000 12275 62101

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93107

MIRAMAR, CALIFORNIA

0

8

01 HOURS (1.5.T.)

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL MEATHER MIRAMAR, CALIFORNIA STATION MARKE

CONDITION

NME 6.7 6.0 .7 4 13.3 3 3 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	SPEED (KNTS) DIR.	1.3	9.4	7 . 10	91 - 11	17 - 21	2.2	28 - 33	34 - 46	41.47	48 - 55	38	*	MEAN WIND SPEED
2.7 2.0 1.3 1.3 2.0 2.7 4.0 2.7 4.0 2.7 2.7 2.0 2.7 2.7 2.7 2.0 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7	z	6.7	6.0	1.									13.3	3.7
1.3 2.0 2.0 2.0 2.0 2.1 4.0 1.3 2.7 2.7 2.7 2.7 2.7 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3	NNE	7.	2.0										2.7	4.5
1.37 4.0 2.7 5.3 1.3 1.3 1.3 1.3 1.00.0 2.3 1.00.0 2.3 1.00.0 2.3 1.00.0 2.3 1.00.0 2.3 1.00.0 2.3 1.00.0 2.3 1.00.0 2.3 1.00.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.	N.													
3.3       .7         2.0       .7         4.0       1.3         2.7       .7         2.7       .7         2.7       .7         2.7       .7         3.3       .7         1.3       1.3         4.0       1.3         35.3       24.7         35.3       24.7         35.3       24.7         35.3       24.7	ENE	1.3											1.3	2.0
2.07	£	3.3	7.										4.0	2.7
4.0       1.3       2.0       3.3       3.3       2.7       7.3       4.0       7.3       4.7       7.3       4.7       7.3       4.7       7.0       3.3       7.0       3.3       7.0       2.7       4.7       7.0       2.7       4.7       2.7       4.7       2.7       4.7       2.7       4.7       2.7       4.7       2.7       4.7       2.7       4.7       2.7       4.7       2.7       4.7       2.7       4.7       2.7       4.7       2.7       4.7       2.7       4.7       2.7       4.7       2.7       4.7       2.7       4.7       3.5       2.7       4.7       3.5       3.6       7       3.6       7       3.6       7       3.6       7       3.6       7       3.6       7       3.6       7       3.6       7       3.6       7       3.6       7       3.6       7       3.6       7       3.6       7       3.6       7       3.6       7       3.6       7       3.6       7       3.6       3.6       7       3.6       3.6       7       3.6       3.6       3.6       3.6       3.6       3.6       3.6       3.6       3.6       3.6       3	ESE	2.0	1.										2.7	2.5
1.3 2.0 .7 .7 .7 .3 .3 .3	38	0.4	1.3										5.3	3.1
2.7 4.0 .7 7.3 4 2.7 .7 .7 1.3 1.3 2.7 2.0 1.3 4.7 1.3 2.7 2.7 4.7 1.3 25.3 24.7 3.3 100.0 2.3	SSE	1.3	2.0										3.3	3.6
2.77 3.377 1.3 1.3	\$	2.7	0.4	.7									7.3	4.6
2.7 1.3 3.3 .7 .7 2.0 1.3 1.3 1.3 2.7 4.0 1.3 1.3 2.7 35.3 24.7 3.3 100.0	SSW	7.	1.										1.3	4.5
35.3 24.7 3.3 24.7 24.7 3.3 24.7 3.3 24.7 24.7 3.3 24.7 24.7 24.7 24.7 24.7 24.7 24.7 24.7	SW	2.7	1.										3.3	2.6
35.3 24.7 3.3 4.7 100.0	WSW	1.	1.3										2.0	3.7
.7     2.7       4.0     1.3       4.0     1.3       35.3     24.7       35.3     24.7       35.3     24.7       35.3     24.7	*	3.3	1.	.7									4.7	3.3
1.3     1.3       4.0     1.3       1.3     1.3       35.3     24.7       35.3     24.7       3.3     3.3	WNW	1.	2.0										2.7	4.5
35.3 24.7 3.3	NW	1.3	1.3										2.7	3.3
35.3 24.7 3.3	NNW	0.4	1.3	1.3									6.7	3.9
35.3 24.7 3.3	VARBL													
24.7 3.3	CALM	$\bigvee$	36.7											
		35.3	24.7	3.3									100.0	2.3

200

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

1

0.4 HOURS (L.S.T.)

JUN MONTH

YEARS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

000

(FROM HOURLY OBSERVATIONS)

73-77

MIRAHAR, CALIFORNIA STATION HAME

93107 STATION

0

0

0

0

0

0

ALL NEATHE COMBITION

SPEED (KNTS) DIR.	-:	;	7 . 10	1 · 1	17 - 21	22 - 27	28 · 33	2	34 - 40	.40 41 .47	 41.4	41 . 47 48 . 55
z	4.0	10.7										14.7
NN.	1.3	2.0										3.3
WZ.	1.3	.7										2.0
E E	1.3											1.3
	2.7	2.0										4.7
ESE	2.7	.7	1.									4.0
SE	2.0	.7										2.7
SSE	2.0	2.0										0.4
s	2.7	3.3	. 7									6.7
SSW	1.3	1.				11						2.0
NS.	1.	2.7	L.									4.0
WSW	1.											
*	L.	2.7	4.									0.4
WWW	1.3	2.0										3.3
¥	3.3	7.										0.4
NNN	2.7		1.3									0.4
VARBL												
CALM	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	/ V	$\bigvee$		34.7
	30.7	30.7	4.0									0.001

0

0

DIRNAVOCEANMET SMOS

10

=

150

TOTAL NUMBER OF OBSERVATIONS

2

SURFACE WINDS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 MIRAMAR, CALIFORNIA

ALL WEATHER

07 HOURS (L.S.T.)

0

0

0

0

0

0

0

0

0

SPEED (KNTS)	:	9:4	7 . 10	1 - 16	17 - 21	22 - 27	28 - 33	34 - 46	41 - 47	48 - 55	8	*	
2	a	4.7	0.6									. 41	1
N. N.		0 0	3									2.0	-
Z		2											1
Z	1.											.7	1
	1.3	.7										2.0	1
ESE	2.7											2.7	1
3		1.										7.	
SSE	2.0	5.3	.7									8.0	
•	1.3	3.3	2.0									6.7	
SSW	2.0	.7	L.									3.3	
SW	2.0	4.7										2.7	200
WSW	2.7	1.3	1.									4.7	
*	L.	.7										1.3	
WWW	5.3											5.3	
WW	1.3	2.7	L.									4.7	
NNN	4.7	0.4										8.7	
VARBL													
CALM	X	$\bigvee$	X	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	X	$\mathbb{X}$	30.0	
	7 72	78.7	6.7									0 001	II

DIRNAVOCEANMET SMOS

0

0

10 NOURS (L.S.T.)

WIND SPEED

22 . 27

17 - 21

11 . 16

7 - 10

4.0

..

SPEED (KNTS) DIR.

. 4

Z

z

0

ZZ

0

-

6.1

9.6 4.5 5.0 0.9 4.9

4.7 3.3 4.7

5.3 ... 3.3

3

WSW

7.3 8.0 0.4

WNW \* \* VARBL CALM

0.7

2.0 2.0

2.1 0.4

X.

SSW

s

4.

26.7

40.0

1.3 2.7 2.7

2.0

.

25 22 22 25 25 25

=

6.3

100.0

SURFACE WINDS

100

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

WEATHER CLASS

YEARS

COMDITION

19.3 7.3 16.7 10.01 3.3 8.0 6.7 \* 128 48 . 55 41 . 47 34 . 40 28 . 33

2.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

20

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93107

MIRAMAR, CALIFORNIA

13 BOURS (LS.T.)

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

MIRAMAR, CALIFORNIA

93107

ALL MEATHE

SPEED (KNTS) DIR.	:-	• •	7 . 10	11 - 16	17 - 21	n . n	28 - 33	34 . 45	41.4	4 - 55	<b>3</b>	*	MEAN WIND SPEED
z		7.	1.3									2.0	8.0
Z													
N.													
E.													
ESE													
35													
388													
•													
SSW	1.	2.0	0.4									6.7	6.9
SW.	1.	2.0	6.7	1.3								8.7	8.2
WSW	.7	1.	4.7	1.3								7.3	8.3
*	.7	7.3	12.7	8.7								29.3	8.8
WWW	1.3	4.7	8.7	0.9								20.7	8.5
×		4.0	8.0	4.7								16.7	9.3
MMM			0.4	3.3								7.3	10.6
VARBL													
CALM	X	$\bigvee$	1.3										
	7	21.2	7.07	3.8								0001	4

25

=

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

MEAN WIND SPEED

#### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

WEATHER

ALL

STATION NAME

MIRAMAR, CALIFORNIA

73-77

16

NOW.

l		

9430

8.0

7.5 7.4

8.0

8.

TOTAL NUMBER OF OBSERVATIONS

\*

150

SMOS DIRNAVOCEANMET

0

93107

0

0

0

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

110

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHE

MIRANAR, CALIFORNIA

93107 STATION

NOURS (L.S.T.)

JUN MONTH

CONDITION

WIN	6.	7	33			7.	3	7.	. 4	5	5.	6.	4.		10
*	0.9	4.	7.			2.7	3.3	3.3	€*6	16.7	20.7	€*61	13.3	0.4	100.0
8														$\bigvee$	
48 - 55														$\bigvee$	
41.40														$\bigvee$	
34 - 40														$\bigvee$	
28 - 33														$\bigvee$	
22 - 27														$\bigvee$	
17 - 21														$\bigvee$	
9 . 1	.7										.7	. 7		X	2.0

1.0

WNW

NW VARBL

CALM

0.4

4.0

WSW W

SSW

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS JAN 78

7 - 10

• •

1.3

4.0

Z

2 2

- 33 SS

TOTAL NUMBER OF OBSERVATIONS

MEAN WIND SPEED

×

3

48 - 55

1.3

SPEED (KNTS) DIR.

0

2 2

Z

5702 SURFACE WINDS JAN 78

2.0

SURFACE WINDS

E

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

\$ CA

73-77

MIRAMAR, CALIFORNIA

93107

0

MEATHE

1648

÷															/	1
34 . 46																/
28 - 33																/
22 - 22																(
17.21																<
11 . 16																X
7 . 10	3.3	.7				1.	1.	. 7	1.		1.	.7	1.3	3.3		×
•	7	1		1	1	1	1	0	3	1	0.		100	0	1	

110

4.4

3 23 3.3 3.5 3.6

5.3

9.3 13.3

24.7

0.00

2.3

4.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

SURFACE WINDS JAN 78

28.7

WWW

ž

0

WSW

3. \*

SSW

2 2 2

VARBE

CALM

2

1200

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

0

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 MIRAMAR, CALIFORNIA STATION MARKE NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

=

SURFACE WINDS

COMDITION

NE ATHE

SPEED	1.3	9.7	7 - 10	11 . 16	17.21	22 - 27	28 - 33	34 - 40	41 . 47	48 - 55	84	*	MEAN
DIR.													SPEED
z	3.0	1.6	7.1	10								10.1	4.6
MM	• 2	6	• 1									1.2	4.5
NE	.3	1.										4.	3.0
ENE	4.4											4.	2.2
-	0	5.										1.4	3.1
253	6.	• 2	. 1									1.2	2.7
36	. 6	4.										1.2	3.2
386	80	1.2	.2									2.2	4.3
•	1.2	2.1	30	.1								4.2	5.1
SSW	0.1	1.4	1.1	87								3.8	5.7
SW	1.3	1.5	1.1	• 2								4.7	6.6
WSW	2.2	9.1	9.1	er)								5.7	5.3
×	2.2	4.4	9.4	1.3								12.5	9.9
WWW	2.2	3.9	6.6	1.3								11.4	6.5
NA	5.0	4.2	1.4	1.6	. 1							12.5	6.8
MNW	2.6	3.1	1 • €	9.	.1							4.6	5.8
VALIE													
CALM	$\bigvee$	17.6											
	25.2	31.2	23.0	93	.2							100.0	4.7

93107 STATION

16.1

MEAN WIND SPEED

×

12

5702 SURFACE WINDS JAN 78

SURFACE WINDS

E

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

Ē

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

MIRAMAR, CALIFORNIA

93107

YEARS

ALL WEATHER

Ol BOURS (LS.T.)

22 . 22

17 - 21

11 . 16

7 - 10

1.3

SPEED (KNTS) DIR.

6.1

9.

X X X ~

0

8.4

1.9

6.1 2.6

1.3

9. 5.0

0.

2 2 2 ×

0

9.

9.

\* \*\* N. S.

5.7

1.3 9.7 5.6

WSW WSW

0

G

0

SSW

2.3

3.2

0.0

2.6 5.6

3.2

3.2

3.2

TOTAL NUMBER OF OBSERVATIONS

34.8

100.0

8.4

. .

VARBL 2

3.9

9080

155

SMOS DIRNAVOCEANMET

0

0

1

5702 SURFACE WINDS JAN 78

SURFACE WINDS JAN 78

SURFACE WINDS

1

04, HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

73-77 MIRAMAR, CALIFORNIA STATION NAME

93107 STATION

0

0

0

0

0

0

0

0

0

3

0

COMBITION

ALL WEATHER

DIR.	:-	• •	7 - 10	11 . 16	17 - 21	22 - 22	28 - 33	34 . 46	41.0	48 - 55	<b>3</b> 5 Al	*	MEAN WIND SPEED
z	7.7	8.4										16.1	1
NNE	1.9	6.1	9.									4.5	_
N.	1.3	9.										1.9	
ENE													_
	9.	9.										1.3	
ESE	••	1.3										1.9	
3.5		9.	9.									1.3	
SSE	2.6	2.6										5.2	
s	3.2	1.9	1.3									6.5	
SSW	1.3	1.9										3.2	
SW		• •										9.	
WSW	1.9											1.9	
*	1.3	9.	9.									2.6	4.0
WNW	1.9	1.9										3.9	3.3
¥	1.9	1.9										3.9	3.2
NNN	1.3	1.9	9.									3.9	
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	41.3	
	27.7	27.1	3.9									100.0	2.

2000

=

155

TOTAL NUMBER OF OBSERVATIONS

. 4

0.6 6.5

MEAN WIND SPEED

×

28 . 33

22 . 27

17 . 21

11 . 16

7 - 10

4.6

-3

9.

1.3

0

9.

9.

F . 7

ESE 32 32

6.5

5.6 4.5

Z

Z Z

0

3.0

6.1 1.9 9.4

HOURS (L.S.T.)

SURFACE WINDS

3

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

20

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

MIRAMAR, CALIFORNIA

93107

YEARS

WEATHER CLASS

38.1 18 48 - 55 41 . 47 34 . 45

1.3

5.5 6.1

0.

1.3

5.5

WSW

6.1

1.3

3.9

1.3

2.0

3.2

SSW NS. \*

s

1.3

2.6

3.2

NW NW NWW

CALM

4.0

3.9 3.9

0.9

4.0

3.2

3.4

3.2

4.5

5.5

TOTAL NUMBER OF OBSERVATIONS

155

SMOS DIRNAVOCEANMET

5702 SURFACE WINDS JAN 78

...

155

TOTAL NUMBER OF OBSERVATIONS

=

200

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

73-77

MIRAHAR, CALIFORNIA STATION MARK

93107

YEARS

NOURS (LS.T.)

NEATHE CLASS

ALL

CONDITION

SPEED (KNTS) DIR.	1.3	9.7	7 - 10	11 - 16	17 - 21	$n \cdot n$	28 - 33	34 - 40	41 - 47	48 - 55	7 58	*	MEAN WIND SPEED
×	6.1	3.2	1.3									5.8	5.1
N N		9.										9.	6.0
N.													
ENE	9.											9.	3.0
8													
ESE													
38													
386	o•											9.	3.0
8	1.3											1.3	2.5
SSW	6.1	9.	6.8	9.								6.5	7.1
SW	9.	5 . 8	3.9									10.3	4.4
WSW	9.	5.8	5.2	1.3								12.9	7.0
W	9.	7.6	5.8									16.1	6,3
WWW	4.5	11.6	50	9.								22.6	5.6
NW	5.6	5.2	6.1									4.1	4.8
NNW	1.3	1.9	2.6									5.8	6.8
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	7.1	
	15.5	44.5	30.3	2.6								100.0	5.5

MEAN WIND SPEED

×

28 . 33

22.27

17 - 21

11 - 16

7 . 10

4.6

. 3

SPEED (KNTS) DIR.

5.6

1.3

Z Z E

#### SURFACE WINDS

-

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

MIRAMAR, CALIFORNIA

YEARS

13

JUL

ALL MEATHER

COMDITION

8 48 - 55 41 . 47 34 . 40

0

9.

...

2.6

SSW

5.8 1.6

3.9

WSW

SW

3.5

0.0

1.9 5.8

E

8.5

18.1

17.4 22.6

10.3

13.5

6

5.2

0

100.0

TOTAL NUMBER OF OBSERVATIONS

=

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93107

0

0

ESE

•

SSE

s

35

0

12.9

1.99

25.2

5.0

14.8

3.6

. . .

WWW

\*

NN.

ž

VARBL CALM

2

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

WEATHER CLASS CONDITION MIRAMAR, CALIFORNIA

73-77

16 HOURS (1.5.T.)

SPEED (KNTS) DIR.	:-	•	7 . 10	91 . 11	17 . 21	n · n	28 . 33	34 . 46	41.0	8 . 8	*	,	MEAN WIND SPEED
z												1.3	2.5
N.													
W X													
Z.													
<b>ESE</b>													
3													
386													
•		9.										9.	5.0
SSW		9.	E • T	9.	9.							3.2	11.2
SW	9.	3.2	4.5	1,3								4.6	7.7
MSM	9.	9.5	3.0									7.1	6.5
*	9.	10.3	8.4	0.								20.0	8.9
WWW	1.3	5.5	21.3	6.1								29.7	7.8
WW		6.5	10.3	1.3								18.1	4.9
MNW		3.2	6.9									4.4	7.4
VARBL													
CALM	$\bigvee$	9.											
	3 7	22.3	86.1	. 3	4							100	7 4

2

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93107

0

0

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

MIRAMAR, CALIFORNIA

93107

WE A THER 777

19

0

ENTS)	:	:	7 - 10	91 - 11	17 - 21	n · n	28 - 33	34 . 46	0.19	8 . 55	% %	*	MEAN WIND SPEED
z	9.	1.9										2.6	4.3
Z Z													
w													
P.													
158													
35													
388													
			9.									9.	9.0
SSW	1.9	1.3	3.5									6.5	5.1
SW	1.3	3.2	9.									5.2	4.6
WSW	0.	3.2	٥.									4.5	5.7
*	5.2	11.0	1.3									17.4	4.6
WWW	3.9	12.9	7.1									23.9	5.4
ž	2.6	14.2	4.5									21.3	5.3
MNN	1.3	0.6	5.5									15.5	0.9
VARBL													
CALM	X	$\bigvee$	X	$\bigvee$	2.6								
	17.4	56.8	23.2									0.001	5.1

0

1

SMOS DIRNAVOCEANMET

=

155

TOTAL NUMBER OF OBSERVATIONS

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

4.0

4.

18.1

MEAN WIND SPEED

\*

11 - 16

7 - 10

4.6

1.3

SPEED (KNTS) DIR.

•

12.9

4.5

9

N N

Ē

4.3

1.9

9

5.2

1.9

.0

25 22 25 25 25 25

9.

6.1

3.0

WW NNA VARBL CALM

>

38.7

31.0

1.3 .0

0 5.0 6.3 5.8 2.5

WSW WSW

SSW

w

4.0

1.9

9.4 3.2

2.3

1.0 14.2 27.1

100.0

4.0

0

0.5

9.

### SURFACE WINDS

HE

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

YEARS

MEATHE

TOTAL NUMBER OF OBSERVATIONS

1110

155

DIRNAVOCEANMET SMOS

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

22 HOURS (L.S.T.)

JUL

MIRAMAR, CALIFORNIA

93107 STATION

SURFACE WINDS JAN 78

ALL HOURS (L.S.T.) JUL

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

YEARS

73-77

MIRAHAR, CALIFORNIA STATION MARKE

93107

0 0

ALL WEATHER

SPEED (KNTS) DIR.

0

Z Z E

0

2.8 6.4 0.9 2.5 5.0 5.8 4.0 4.0 2.9 MEAN WIND SPEED 6.2 6.1 9. 19.0 . 0 5.6 8.5 4.7 6.3 11.0 14.4 1.6 4. 100.0 -12 48 - 55 41 - 47 34 - 40 28 - 33 22 - 27 17 . 21 11 . 16 0. 0.1 0 3.5 2.0 0. • . . 4 7 - 10 7. . 9. 6.1 2.4 . 8 5.5 1 . 1 5.4 5.0 4.9 . 1.3

5.7

WNW

\*

ž

WSW

×S.

SSW

s

25 SE 52

.

NNW

CALM

DIRNAVOCEANMET SMOS

0

100

1240

TOTAL NUMBER OF OBSERVATIONS

282

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

MIRAMAR, CALIFORNIA

93107

ME ATHE CONDITION

SPEED (KNTS) DIR.	1:3	:	7 . 10	11 . 16	17 . 21	22 - 22	28 · 33	34 · 40	41.47	48 - 55	% AI	*	
z	7.7	11.0	1.9									20.6	9
NNE	0.	3.2	9.									. 4	5
W.		9.											9
ENE													
~	1.9											1.	0
ESE	6 · I	1.3										3.2	2
35	9.											9.	-0
SSE	1.9	1.3	9.									3.9	-
s	1.9	4.5	1.3									7.	1
SSW		1.3	1.3									2.6	9
SW			9.									•	9
WSW		9.										9.	5
*	2.6	1.3										3.0	0
WNW	1.9											1.0	6
WW	2.6	3.2										5.1	60
NNN	6.5	3.2	1.3									11.0	-
VARBL													
CALM	$\bigvee$	30.	60										
	30.3	31.6	7.7									100.0	

201

000

155

TOTAL NUMBER OF OBSERVATIONS

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS JAN 78

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93107

0

0

0

0

0

0

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NOVAS CLS.T.) AUG YEARS 73-77 ALL WEATHER MIRAMAR, CALIFORNIA

(KNTS) DIR.	:-	•	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 . 40	41 - 47	48 - 55		% AI	\$ AI
z	0.6	1.6	2.6										21.3
NNE	1.9	3.2											5.2
az		9.											9.
ENE													
	3.2	9.											3.9
ESE		9.											9.
38	9.	9.											1.3
SSE	E . 1	9.	9.			*					_		2.6
s	3.9	••	1.9	.0									7.1
SSW		1.9	9.										2.6
SW	1.9												1.9
WSW		9.											9.
*	1.9	9.	9.										3.2
WNW													
WM	3.2	1.9											5.2
NNN	5.8	3.9	1.3										11.0
VARBL													
CALM	$\bigvee$	-	X	32.9									
	32.9	2 5 . R	7.7								_		0001

SMOS DIRNAVOCEANMET

TOTAL NUMBER OF OBSERVATIONS

0

0 0

0

0

1

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

5702 SURFACE WINDS JAN 78

0

0

0

			NOURS (L.S.T.)	
73-77	YEARS	LL WEATHER	CLASS	CONDITION
CALIFORNIA	STATION NAME			

				• • •	17 - 21	22 - 22	28 - 33	34 - 40	41 - 42		}		SPEED
z	10.3	6.5	1.9									18.7	3.8
N.	2.6	1.9	0									5.2	3.5
w Z													
ENE		9.										9.	0.5
ESE	1.9	9.										2.6	3.3
SE	9.	9.										.3	3.5
SSE		6.1	9.									2.6	5.8
	4.5	1.9	5.5									11.6	5.5
WSS	0	9.										1.3	4.0
NS.	0	9.										2.6	3.0
WSW	6	1.3										3.2	3.2
3	3.2	9	9.									4.5	3.9
***	1 50	2										1.3	2.0
3	0	3.6	0									5.5	4.4
NNX	4.5	1.3	-									7.1	3.9
VARBL													
CALM	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	32.3	
	35.5	21.3	11.0									100.0	2.8
									TOTAL NUA	TOTAL NUMBER OF OBSERVATIONS	ERVATIONS		ii.

DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

MIRAMAR

93107 STATION

0

0

0.0

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER

93

NOWER CLATA

0

5702

0

0

SURFACE WINDS JAN 78

COMBITION

SPEED (KNTS)		•	7.10	11 - 16	17 - 21	n. n	28 · 33	¥ . \$	41 . 43	8 . 55	*	*	
z	1.9	3.2										,	5.5
NNE	0.	9.										-	.3
NE NE	1.3											I	10
ENE												-	
3	9.											menta	9.
ESE												economic and the second	
35	9.												9.
SSE	9.											arrest .	9.
s	1.3	1.3	3.2									5	5.8
SSW	1.3	1.3	5.5									7	7.7
SW		9.											9.
WSW	9.	3.2	1.9									5.8	00
*	3.2	6.5	3.9									13.5	5
WWW	2.6	4.5	5.8	9.								13.5	5
NW	1.3	5.8	0.6	1.3								17.4	4
MNW	1.3	10.3	4.5									16.	1
VARBL													
CALM	X	X	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	6.7	7
	17.4	37.4	37.4 33.5	6.1								100.0	C

0

0

0

0

TOTAL NUMBER OF OBSERVATIONS

0

0

155

0

DIRNAVOCEANMET SMOS

93107

MIRAMAR, CALIFORNIA

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHE. CONDITION MIRAMAR, CALIFORNIA STATION MANE

13 HOURE (L.S.T.)

AUG

SPEED (KNTS) DIR.	:-	9:	7 . 10	11 . 16	17 - 21	22 . 27	28 · 33	34 - 40	41.47	48 - 55	2	52 × 28	
z		9.	9.										1.3
N		• 6											9.
N.											-		
ENE													
ESE													
35													
356		9.											9.
8		9.	9.										1.3
SSW		••	3.2	2.6									6.5
SW			3.2	1.3									4.5
WSW	1.3	• •	1.0										3.9
*	1.9	5.2	8.4	1.3									16.8
WWW	1.9	3.2	6.7	7.1									21.9
MW		1.9	14.2	0.6									25.2
MNW		9.	11.6	4.5									16.8
VARBL													
CALM	$\bigvee$	V	$\bigvee$	9: X									
	U	0 71	2 62	3.0									0 001

DIRNAVOCEANMET SMOS

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93107 STATION

16 HOURS (1.5.T.)

YEARS

73-77

MIRAMAR, CALIFORNIA

NEATHER CLASS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

E

SURFACE WINDS

5702 SURFACE WINDS JAN 78

×

8

48 - 55

41 . 47

34 . 40

28 . 33

22 - 27

17 - 21

11 . 16

7 . 10

- 3

1.3

3.2

0

10.5 MEAN WIND SPEED 0.6

0

0

1.9

0.00

2 8 8 8

21.9

14.2

155

0

3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

0 00

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0

X X X

0

- 2 2 2

0

67.1

3

0 0

93107

0

0

2.6 E 6 4.5 16.8

9. 5.0 9.2 3.2

0

0

WSW WSW \*

SSW

•

0

N SE VARBL CALM

SURFACE WINDS

=

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

MIRAMAR, CALIFORNIA STATION MANES

19 HOURS (1.8.T.)

E

6.2 5.0 3.2 5.2

5.2 0000 =

1

1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

93107

0

0

0

0

- 2 = 3

z z z z

9.0 ×

8

48 - 55

41 . 47

34 - 40

28 - 33

22 - 27

7 - 10

4.6

..

SPEED (KNTS) DIR.

SURFACE WINDS JAN 78 MEAN WIND SPEED

17 - 21 11 . 16

9

SSW

•

1.9

1. 3

6.

CALM

WWW \* NNW WSW WSW \*

0 0 0 0

0

36.

D

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

2

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

MIRANAR, CALIFORNIA

93107 STATION

0 0

Q

0

0

0

0

0

0

0

0

YEARS

ALL WELTHER

22 HOURS (L.S.T.)

63

0 .0

0

0

5702 SURFACE WINDS JAN 78

4.0 8 . 7

MEAN WIND SPEED

0

1.5

6.6

6.0 3.2

2.7

0

0

.0.

000

COMDITION

4.5 3.2 0.6 2.6 1.3 5.6 18.7 0000 28.4 \* 18 48 . 55 41 - 47 34 - 40 28 - 33 22 - 27 17 - 21 11 . 16 7 - 10 000 000 3.5 13.5 4 . 6 4.3 0.0 ... . 1.3 6 . 1 0 1.3 WWW NNW WSW WSW SPEED (KNTS) DIR. 2 2 2 2 SSW ¥ CALM 2 2 2 2 × \*

TOTAL NUMBER OF OBSERVATIONS

...

155

0

0

0

3.3 4.5

DIRNAVOCEANMET SMOS

(1)

0

0

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 MEATHER CLASS MIRAMAR, CALIFORNIA

COMBITION

ALL HOURS (LS.T.)

WIN	4.	4.	
×	13.0	2.5	
8	-		
7.10 11.16 17.21 22.27 28.33 34.40 41.47 48.55			
4.0			
34 - 46			
28 . 33			
n . n			
17 - 21			
1 . 16			
7.10	1.5	8.3	
:	0.0	1.5	
::	5.4	.7	
85.			

CKNTS) PR	z	NN	N.	a a		188	*	355	•	WSS	WS	MSM	*	WHW	M	NNW	VARBL	CALM
:	5.4	.7	-2		0.	5	• 3	un.	1.6	4.	9.	6	2.1	1.7	2.3	3.5		X
•	0.9	1.5	.2	• 1	1.	• 3	.2	1.	1.2	1.0	. 4	1.4	2.5	2.3	4.4	5.7		X
7.10	1.5	6.			Τ.			• 2	2.0	1.8	6.	1.2	3.1	5.0	7.1	5.2		\ \ 
ş . E									.2	×.	2	. 1	.2	1.2	2.1	6.		>
17 . 21																		
2.2																		$\rangle$
28 - 33																		
¥ . 8																		>
0.14																		>
8 - 35																		
<b>%</b>																		>
*	13.0	2.5	• 3		1.0	• 3	6.	1.5	5.1	3.6	2.2	3.8	7.9	10.2	15.9	15.2		14.8
MEAN WIND SPEED	4.2	4.4	2.8	4.0	2.4	3.2	2.8	9.4	5.6	7.3	7.4	5.5	6.0	7.2	7.3	6.1		

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL WESTHER CLASS

73-77

BOURS (LS.T.)

SEP

OIR.	:	•	7 . 10	91 - 11	17 - 21	22 - 27	28 · 33	34 - 40	41.0	48 - 55	<b>%</b>	*	MEAN WIND SPEED
z	0.0	10.0	1.3					7.				18.0	17.
N.	1.3	0.4	.7									0.9	4.1
Ä	E . 1	.7	7.									2.7	5.0
ENE													
	2.0	7	.7									0.4	3.7
ESE	2.0	.7		.7								3.3	5.0
35	1.	1.3	r-•									2.7	5.3
SSE	1.3											1.3	3.0
s	2.7	2.7	1.3									6.7	4.8
SSW		.7										1.3	3.0
SW	1.3	.7	7.									2.7	4.3
WSW	2.0	2.7										4.7	4.3
*	1.3	1.3										2.7	3.8
WWW	2.0	2.7										4.7	3.7
NW		4.0	7.									4.7	5.1
NNN		0.0	1.3									7.3	5.1
VARBL													
CALM	$\bigvee$	27.3											
	24.7	38.7	8	7				7				100.0	3.6

0

SMOS DIRNAVOCEANMET

TOTAL NUMBER OF OBSERVATIONS

7

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0 0

93107

MIRAMAR, CALIFORNIA

3

DIRECTION AND SPEED

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS)

73-77

MIRAMAR, CALIFORNIA

93107

YEARS

0.4 HOURS (1.8.T.)

SEP

WEATHE CLASS

MOITICHOS

SPEED (KNTS) DIR.	1.3	*;	7 . 10	91 . 16	17 - 21	22 . 27	28 - 33	34 . 40	41.0	86 - 85	8	*	MEAN WIND SPEED
z	7.3	10.7	1.	.7								19.3	6.3
ZZ.	1.3	1.3	4.									3.3	4.2
¥	2.0			. 7								2.7	6.0
ENE			. 7									1.3	6.0
.,	3.3	1.3	.7									5.3	3.4
ESE		2.0	4.									2.7	6.5
35	1	7.	.7									2.0	5.0
358	1.3	2.7										4.0	4.0
	2.0	7.	. 7									3.3	3.8
SSW	2.7	.7										3.3	3.0
SW	7	1.3	4.									2.7	4.5
WSW	2.7	1.	4.									4.0	3.2
*	1.3	3.3										4.7	4.3
WWW	1.3	1.3										2.7	3.0
×	1.3	2.0										3.3	3.8
NNN	5.3	5.3										10.7	4.1
VARBL													
CALM	$\bigvee$	24.7											
	34.0	34.0	0.9	1,3								100.0	3.1

=

80

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

YEARS

ME ATHER

07 HOURS (L.S.T.)

SEP

COMPITION

SPEED (KNTS) DIR.	1.3	*;	7 . 10	11 . 16	17.21	2.2	28 - 33	34 . 46	41.4	48 - 55	*		MEAN WIND SPEED
z	8.7	0.0	2.0									16.7	3.8
W X	7.	4.0	7.									5.3	4.6
¥	2.7											2.7	2.5
E E		.7	1.									1.3	6.5
	5.3	3.3	.7	.7								10.0	4.3
383	0.4	1.3	1.									6.0	3.2
3	1.3	1.3										2.7	3.3
358	2.0	.7	.7									3.3	4.0
•	3.3	0.4	1.3									8.7	4.4
SSW	7.	3.3	4.									4.7	4.7
XS.	. 7	1.3	.7									2.7	5.0
WSW	1.3	1.3										2.7	3.0
*	. 7	1.	.7									2.0	5.0
WNW	1.	3.3										0.4	3.8
×	1.3	2.7										0.4	3.3
NNA	2.0	4.7										6.7	4.2
VARBL													
CALM	X	X	X	X	$\bigvee$	16.7							
	35.3	38.7	3.7	7.								100.0	3.4

Ē

DIRNAVOCEANMET SMOS

5

TOTAL NUMBER OF OBSERVATIONS

93107

MIRAMAR, CALIFORNIA

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

4.5

0.0

7.0

1.3

16.0

Ē

4.7 4.0 5.3 3.4

11.3

10.0

100.0

14.7

14.7

4.7

5.7 6.7 4.0 0.0

2.1

\* \*\*

VARBL

CALM

N.

ž

0.4

1.3

WSW WSW

SSW

1 . 7

.

2.7

4.0

2.7

1.4

MEAN WIND SPEED

×

18

22 . 27

17 - 21

11 . 16

7 - 10

\*:

1.3

(KNTS)

7

4.7

Z

¥ = %

2 2 352

SURFACE WINDS

=

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

NEATHE.

10 HOURS (L.S.T.)

TEARS

TOTAL NUMBER OF OBSERVATIONS

26.0

45.3

16.7

5

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

MIRAMAR, CALIFORNIA

0.4

MEAN WIND SPEED

×

28 . 33

22 . 27

17 . 21

11 . 16

7 - 10

4.6

1.3

SPEED (KNTS) DIR.

.

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

YEARS

ALL WEATHE

HOURS (L.S.T.)

SEP

CONDITION

12 48 - 55 41 - 47 34 - 40

155

9.0 0 8 6.6 10.2

5,3

4.7 22.7 23.3

12.7

10.0

1.3

0.0

5.5

6.1

2.7

VARBL CALM 28.

57.3

12.0

5.3

11.3 11.3

5.3

WNW

\*

ž

WSW

SSW SW

· >

0.4 1 . 4 2.0

00.00

0.6

0.4

TOTAL NUMBER OF OBSERVATIONS

\*\*\*

DIRNAVOCEANMET SMOS

0

90 1215 MINI

93107 STATION

MIRAMAR, CALIFORNIA STATION NAME

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

.

ESE

w

SSE

s

25

WIND SPEED

11 . 16

7 - 10

4.6

..

SPEED (KNTS) DIR.

NNE

z

0

Z Z

0

-

9116

10.2 6.3

33

1.3

. 00

.

3.3

11.3

0.0

.

\* WW

6.7 4.0

12.0

3.3 3.3

NSW WSW

SSW

\*

2 2 2

3.5 19.3

VARBL

NA ANA

CALM

0.9 17.3 22.0

8.8

10.0

34.0

3.0

0.6

SEP

16 HOURS (L.E.T.)

600

DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS)

73-77

MIRAMAR, CALIFORNIA

93107

YEARS

WEATHE.

COMBITION

TOTAL NUMBER OF OBSERVATIONS

150

100.0

18,7

50.7

25.3

0

SMOS DIRNAVOCEANMET

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

E

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MIRAMAR, CALIFORNIA STATION MARKS

73-77 WEATHER

19 HOURS (1.8.T.)

NE 4.0 11.3 6.7  NE 7.1 1.3  E 7.1 1.3  S 1.3 7 1.3  W 2.0 5.3 .7  W 2.0 9.3 3.3  W 2.0 9.3 5.3	4.0 11.3 .7 1.3 .7 .7 .7 .7	11.3 2.0 2.0 3.3 3.0 11.3
1.3 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7	1.3 .7 1.3 .7 1.3 .7 7 .7 .7 2.0 5.3 2.0 5.3 2.7 8.0 2.7 8.0	7 1.3 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7
1.3 .7 1.3 .7 7 .7 .7 2.0 5.3 2.0 5.3 2.0 9.3 2.0 9.3	1.3 .7 1.3 .7 7 .7 2.0 5.3 2.7 6.0 2.7 6.0 2.7 8.0	1.3 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7
1.3 .7 1.3 .7 7 .7 7 .7 2.0 5.3 7 .0.0 7 .0.0 2.0 9.3 2.0 9.3	2.0 5.3 2.0 5.3 2.0 5.3 2.7 6.0 2.7 6.0	7777777777.
1.3 .7 1.3 .7 7 .7 .7 2.0 5.3 7 6.0 2.7 8.0 2.0 9.3 2.0 9.3	2.0 5.3 2.0 5.3 2.7 6.0 2.7 6.0 2.7 6.0	1.3 .7 1.3 .7 2.0 2.0 2.0 9.3 2.0 9.3 2.1 11.3
1.3 .7 1.3 .7 7 .7 .7 2.0 5.3 7 6.0 2.7 8.0 2.0 9.3 2.0 9.3	1.3 .7 1.3 .7 2.0 2.0 2.0 5.3 2.0 5.3 2.0 9.3 2.0 9.3	1.3 .7 1.3 .7 2.0 2.0 2.0 5.3 2.0 9.3 2.0 9.3 2.0 9.3
1.3 .7 .7 .7 .7 .7 .2.0 .2.0 5.3 .7 .6.0 .2.0 9.3 .2.0 9.3	1.3 .7 .7 .7 .7 .7 .2.0 .7 .5.3 .7 .6.0 .2.7 .8.0 .2.7 .8.0	1.3 .7 1.3 .7 2.0 2.0 2.0 5.3 2.0 9.3 2.0 9.3 2.0 9.3
1.3 .7 2.0 2.0 2.0 5.3 2.0 5.3 2.0 9.3 2.0 9.3	1.3 .7 .7 .7 .7 2.0 5.3 .7 0.0 2.7 0.0 2.0 9.3 2.0 9.3	1.3 .7 2.0 2.0 2.7 2.0 2.7 8.0 2.0 9.3 2.0 9.3 2.7 11.3
1.3 .7 .7 .7 .7 .7 .5.0 .7 .5.0 .2.0 .9.3 .2.0 .9.3	1.3 .7 .7 .7 .7 .0 .7 .0 .7 .0 .7 .0 .7 .0 .7 .0 .7 .0 .7 .0 .7 .0 .0 .7 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0
2.0 5.3 2.0 5.3 2.7 6.0 2.7 8.0	2.0 2.0 2.7 6.0 2.7 6.0 2.0 9.3 2.0 9.3	2.0 2.0 2.0 5.3 2.7 6.0 2.0 9.3 2.0 9.3
2.0 2.0 2.0 5.3 2.7 6.0 2.0 9.3 2.0 9.3	2.0 2.0 2.0 5.3 2.7 6.0 2.0 9.3 2.0 9.3	2.0 2.0 2.7 5.3 2.7 8.0 2.0 9.3 2.0 9.3
2.0 5.3 .7 6.0 2.7 8.0 2.0 9.3 2.7 11.3	2.0 5.3 .7 6.0 2.7 8.0 2.0 9.3 2.7 11.3	2.0 5.3 2.7 6.0 2.0 9.3 2.0 9.3
2.7 6.0 2.0 9.3 2.0 9.3	2.7 6.0 2.7 8.0 2.0 9.3 2.7 11.3	2.7 6.0
2.0 9.3	2.7 8.0 2.0 9.3 2.7 11.3	2.0 9.3 2.7 11.3
2.0 9.3	2.0 9.3	2.0 9.3
2.7 11.3 5.	2.7 11.3 5.	2.7 11.3 5.
	180	

93107 STATION

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

#### SURFACE WINDS JAN 78

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-77

MIRAMAR, CALIFORNIA STATION NAME

93107 STATION

YEARS

WEATHER CLASS

22 HOURS (L.S.T.)

SEP

CONDITION

SPEED (KNTS) DIR.

z z z z

- 2 2 2 ~

MEAN WIND SPEED	4.6	4.2	4.5	6.0	2.8	5.7	3.3	4.9	3.5	4.0	3.7	3.9	3.6	4.6	4.1		7.8
×	20.7	6.7	1.3	1.	2.7	2.0	2.0	6.0	2.7	4.7	0.9	0.9	3.3	7.3	13.3	14.7	100.0
8 1																$\bigvee$	
48 - 55																$\bigvee$	
41 - 47																X	
34 - 40																X	
28 - 33																X	
22 - 27																X	
17 - 21																X	
11 - 16																X	
7 . 10	2.7					. 7		3.3		7.	1.3			.7	2.0	X	6
4.6	12.0	4.7	.7.	.7		1.3	1.3	1.3	. 7	1.3	.7	4.0	2.0	5.3	0.0	X	
1.3	0.9	2.0	.7		2.7		.7	1.3	2.0	2.7	۰•4	2.0	1.3	1.3	5.3	X	32.0 42.0

CALM

SSW WSW

100

TOTAL NUMBER OF OBSERVATIONS

8488

150

DIRNAVOCEANMET SMOS

MEAN WIND SPEED

\*

18

48 - 55

41 . 47

34 - 40

28 - 33

22 . 27

17 - 21

11 . 16

7 . 10

4 . 6

1.3

SPEED (KNTS) DIR.

O

6.9

z

7.

Z Z Z

0

4.0 4.3

6.2

9.5

4.

5.9 2.0 4.2

1.3

# SURFACE WINDS

Ë

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

20

(FROM HOURLY OBSERVATIONS)

73-77

TEARS

STATION BLEE

MIRAMAR, CALIFORNIA

93107

NE THER ALL

ALL HOVER (LEF.)

SEP

COMPITION

1.1

1.7

6.1 3.00 3

MSM

3

×S.

MAN

MAN VARBL CALM

ž

4.2

1.2

SSW

\*

4.

2 2

SSE

111

5.0

4.5 3.0 6.8

9.6

10.8 12.7

5.5

TOTAL NUMBER OF OBSERVATIONS

1200

100.0

2.0

24.0

12.2

===

DIRNAVOCEANMET SMOS

MEAN WIND SPEED

×

22.27

17 . 21

11 - 16

7 - 10

1.3

2.6

¥ = %

0

z

0.3

9.7

9.

0.

NSW WEW

0

**35W** 

•

2 2 2

0

9. 9

WWW

\*

9.

0.0

NY. VARBL CALM

ž

0

0

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

STATION MAME

MIRAMAR, CALIFORNIA

73-77

HOURS (LS.T.)

MEATHE

4.5

2.6

1

1.9

3.8

0.0

11.0

6.

TOTAL NUMBER OF OBSERVATIONS

155

100.0

100

DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93107

0

SURFACE WINDS JAN 78

# SURFACE WINDS

200

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

20

93107

0

0

0

(FROM HOURLY OBSERVATIONS)

D44 DCT. YEARS 73-77 ALL MEATHER CONDITION MIRAMAR, CALIFORNIA

SPEED (KNTS) 1 · 3 DIR.	5.3	E. I . 3	. an	2.6	5.8	ESE 1.9	35	33.	5	WSS	Sw 1.3		*	WWW	N.W.	NNW 2.6	VARBL	CALM	
*	3 2.6	9.7	6 1 9	3.5		9 5.8	£.	3.2	3 1 9	1.3	3 1.3	9.		1.3		6		$\langle \rangle$	
7 . 10					4.5	1.9	2.6			9.								$\bigvee$	-
11 . 16		9.																$\bigvee$	
17 - 21																		$\bigvee$	
n . n																		$\bigvee$	
28 - 33																		$\bigvee$	
4.8																		$\bigvee$	
41.0																		$\bigvee$	
8 . 55																		$\bigvee$	
8																		$\bigvee$	
*	8.4	4.5	2.6	5.8	19.4	6.7	3.9	7.1	3.2	1.9	2.6	1.3		1.3		2.6		25.8	
MEAN WIND SPEED	2.8	5.6	4.3	3.2	8.4	5.1	6.7	3.6	3.6	5.3	3.5	3.0		5.5		2.0			

0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

=

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

07 MOURE (L.E.T.) 73-77 WEATHER CLASS COMBITION MIRAMAR, CALIFORNIA NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SPEED 1.3 4.6 7 DIR.	5.8 3.2	NNE 1.9 2.6	9. 5.1 3N	BNE 1.9 4.5	10.3	_	1.3 1.9	2.6	1.9 2.6	WSS	o. Ms	9. WSW	1.9 .6	www .6 1.3	9. o. ww	NAW .6 1.3	VARBL	CALM	
7.10 11.16	9				6.5	1.3	9•	9.	1.9	9.	9.					9.		$\bigvee$	
17 . 21																		$\bigvee$	
n · n																		X	
28 - 33				1														X	
34 . 46																		X	
41.0																		$\bigvee$	
8 . 8																		X	
8																		$\bigvee$	
*	7.6	4.5	2.6	6.5	21.3	7.1	3.9	3.9	6.5	9.	1.3	9.	2.6	1.9	1.3	5.6		23.2	
MEAN WIND SPEED	3.1	3.4	2.8	3.4	5.2	5.0	4.3	4.8	5.5	8.0	5.0	5.0	3.5	3.3	3.0	5.5			

DIRNAVOCEANMET SMOS

93107

0.

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

000

93107 STATION

0 0

0

0

0

0

0

1

HOURS (L.S.T.) 73-77 MEATHER CLASS COMBITION MIRAMAR, CALIFORNIA

SPEED (KNTS) DIR.	÷.	•	7 . 10	91 - 11	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	VI 35	*	
z	5.6	3.2	9.									6.5	10
NN	2.6	9.		9.								3.9	05
32	9.	6.1										2.6	9
SNS	9.											9.	50
3	0	9.										1.3	0
353	9.											9.	0
35		9.										9.	5
388	9.											9.	5
s	0	6.1	1.3									3.9	6
ASS	9	1.9	9.									3.2	O.
MS	3.2	9.5		9.								6.5	m
MSM	1.9	1.9	9.									4.5	10
*	2.6	3.2	2.6									8.4	*
MNM	2.6	6.5	4.5	1.3								14.8	90
AN	3.9	0.6	4.5									17.4	
ANN	7.9	1.3	3.2									6.	5
VARBL													
CALM	$\bigvee$	X	$\bigvee$	$\bigvee$	18.	_							
	25.8	35.5	18.1	2.6								100.0	0

12.

0

=

155

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MEATHER CLASS

73-77

MIRAMAR, CALIFORNIA

93107

0

0

0

0

0

0

13 HOURS (1.8.T.)

SPEED (KNTS) DIR.	1.3	;	7 - 10	91 - 11	17 - 21	n · n	28 . 33	34 . 40	41 . 47	8 . 8	*	*	MEAN WIND SPEED
z			6•T	1.3								3.2	10.8
Z													
¥			1.3						THE REAL PROPERTY.			1.3	8.5
B.	• •											9.	3.0
_													
ESE			9.									9.	7.0
35													
386													
		9.										9.	0.4
SSW		9.	9.	9.								1.0	8 • 3
NS.	9.		3.2									3.9	7.7
WSW		1.3	1.3	6.1								4.5	8.3
*	1.3	1.3	12.9	4.5								20.0	9.1
WWW	9.	3.9	14.8	3.2								22.6	8.9
M		3.2	11.6	7.1								21.9	9.6
MMW		2.6	11.6	4.5								18.7	9.3
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	0.									
	3.2	13.5	0.09	23.2								0.001	0

Ē

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

20

93107 STATION

0

0

(FROM HOURLY OBSERVATIONS)

73-77 WEATHER CLASS MIRAMAR, CALIFORNIA

NOURS (LS.T.)

SPEED (KNTS) DIR.		9.	7 . 10	11 - 16	17 - 21	22 - 27	28 . 33	34 . 46	41 - 47	48 - 55	% AI	*	
z		2.6	1.3	1.9								5.8	
NN													
Z			9.									9.	
EN.		9.										9.	
ESE													
25													
SSE													
5													
SSW		9.	9.									1.3	
AS.		1.9	9.									2.6	
WSW		1.9	2.5	9.								5.2	4.9
*	0.	1.3	8.4	2.0								12.9	
WWW	9.	6.5	11.6	4 51		9.						23.9	
¥		7.7	18.1	2.6								28.4	
NNW	9.	4.5	0.6	4.5								18.7	
VARBL													
CALM	X	X	$\setminus$	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	0.	
	0	27.7	20 0	16 8		*						100.0	

=

200

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93107

0

0

0

0

0

0

0

0

(FROM HOURLY OBSERVATIONS)

19 NOURS (L.S.T.) 77-57 ALL MEATHER CONDITION MIRAMAR, CALIFORNIA STATION MARK

SKNTS) DIR.	z	NNE	NE	ENE		383	38	SSE	S	SSW	NS.	WSW	*	www	MM	NNW	VARBL	CALM	
:	2.6	2.6	9.		1.9	9.	9.						1.3	3.9	2.6	7.1		V	
:	18.1	3.9	1.3					9.	9.	3.2	9.	3.2	2.6	3.9	3.2	9.0		$\bigvee$	
7 . 10	5.2	9.							1.3				1.3	1.3		3.2		$\bigvee$	
11 . 16																		$\bigvee$	
17 . 21														. 6				$\bigvee$	
2.22																		$\bigvee$	
28 - 33																		$\bigvee$	
3. 5																		$\bigvee$	
41.4																		$\bigvee$	
48 . 55																		$\bigvee$	
*																		$\bigvee$	
*	25.8	7.1	1.9		1.9	9.	9.	9.	1.9	3.2	9.	3.2	5.2	9.7	5.8	19.4		12.3	
WEAN WIND SPEED	5.2	4.2	3.7		2.0	2.0	3.0	4.0	7.0	5.0	5.0	4.8	4.5	5.0	0.9	4.5			

0

Q

3

155

TOTAL NUMBER OF OBSERVATIONS

Ĭ

## PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CONDITION

93107 STATION

0

0

0

0

0

0

Q

SPEED (KNTS) DIR.	.:	*	7 . 10	11 - 16	17.21	22 - 27	28 · 33	34 . 46	41 - 47	48 - 55	% AI	*	WIND WIND SPEED
z	5.3	9.6	9.									15.5	4.2
N N	2.6	3.9	9.									7.1	3.8
a z	1.9	6.1										3.9	3.2
ENE	3.9	1.3										5.2	2.9
	7.7	5.2	2.6									15.5	4.1
ESE		9.	• 6									1.3	7.0
35		2.6										2.6	4.5
SSE	2.6	6.1										4.5	3.7
8	9.	6 1	9.									3.2	5.0
SSW		1.3										1.3	4.0
SW	0.											• 6	2.0
WSW	9.									,		• 6	2.0
*	9.	1.3	9.	3.								3.2	4.9
WWW	1.3	9.	9.	0.								3.2	5.8
N		9.										9.	4.0
NNN	3.9	1.9										8.8	2.9
VARBL													
CALM	$\bigvee$	25.8											
	32.3	34.0	4.8									1000	0 6

-

155

=

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93107 STATION

0

0

O

0

0

0

(SNO)
(FROM HOURLY OBSERVATIONS

7 <b>0</b> 0	YEARS	ALL	HOURS (L.S.T.)	
73-77		ALL MFATHER	CLASS	COMBITION
IRAMAR, CALIFORNIA	STATION NAME			

SPEED (KNTS) DIR.	1.3	• •	7 - 10	11 - 16	17 - 21	22 - 27	28 . 33	34 - 40	41.0	48 - 55	<b>%</b>	*	
z	3.3	5.3	1.3	4.								10.3	
NNE	1.5	2.1	.2	. 2								3.9	
NE NE	6	1.3	.2									2.4	
ENE	9.1	1.5										3.1	
F	0.4	4.4	6.1									10.2	
ESE	1.	1.9	1.	•								3.4	
35	9.	.8	9.									2.0	
386	1.1	1.2	•									2.4	
s	9.	1.3	9.									2.6	
SSW	2.	1.2	7.	.2								1.9	
SW	6.	1.0	9.	. 1								2.6	
WSW	15.	1.2	9.	.3								2.6	
*	1.1	1.4	3.2	1.0								6.7	
WWW	7.1	3.1	4.1	1.3	.2							6.6	
¥	6.	3.1	4.4	1.2								9.6	
NNW	2.1	3.1	3.5	1,1								9.8	
VARBL													
CALM	$\bigvee$	16.5											
	21.0	21. 0	22 3	. 3		1+						0000	1

0

4.4

5.0

33.3 6.6

6.7

MEAN WIND SPEED

12

7.0 13.0 10.5

14.7

0.000

1.3

3.4

10.0

0.9

5.3

2.0

SURFACE WINDS

Ē

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

MIRAMAR, CALIFORNIA STATION NAME

93107

WEATHER CLASS

YEARS

0.1 HOURS (L.S.T.)

MON

COMBITION

17 - 21

11 . 16

7 . 10

SPEED (KNTS) DIR.

0

TOTAL NUMBER OF OBSERVATIONS

150

0

3

DIRNAVOCEANMET SMOS

ISTM SEISI

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

2.0

2.7 1.3

358 ESE

.

.

.

WSW

S

SSW

9

WNW

₹

3 32 VARBL CALM

.

ः ॐ

12.0

12.1

•

3.3

3.3

0.4

Z Z

0

ZZ

2.7

18.0

36.0

28.0

0

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

3

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NOURS (L.S.T.) 73-77 MEATHE CLASS HIRAMAR, CALIFORNIA NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

COMBITION

SPEED (KNTS) DIR.	:	;	7 - 10	11 . 16	17 . 21	22 - 27	28 · 33	34 - 40	41 - 47	<b>4</b> · 55	% %		*
z	2.1	1.										3.	m
NNE	1.3	2.0	. 7									0.4	0
¥		1.3	1.									2.0	0
ENE	3.3	4.0	.7									8.0	0
	7.3	18.0	0.0	7.								32.0	0
ESE	1.5	3.3	0.9	7.								14.7	1
35	1.3	3.3	1.0									0.9	0
SSE	1.3	2.7		7.								4.7	1
s		.7	2.0	L.								3.	3
SSW	1.	.7										1.3	-
SW													
MSM		1.										L.	2
*	7.											1.3	~
WWW				1.								•	1
XX		1.3										2.0	-
NNW	2.0											2.0	-
VARBL													
CALM	$\bigvee$	$\bigvee$	14.0	-									
	26.0	7.82	18.0	2,3								0001	١.

DIRNAVOCEANMET SMOS

150

TOTAL NUMBER OF OBSERVATIONS

#### SURFACE WINDS

5442

07 HOURS (L.S.T.)

NON THOM

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 WENTHER CLASS MIRAMAR, CALIFORNIA STATION NAME NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93107 STATION

0

0

0

20

SPEED (KNTS) DIR.	1.3	9.	7 - 10	11 . 16	12 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	% AI		*
z	7.	1.3			7.								2.7
W Z	7.	1.3										2	2.0
ä	2.7	1.3		7.								5	5.3
ENE	3.3	0.4										80	8.0
	11.3	14.7	0.9									32	2.0
ESE	3.3	7.3	10.0									20.7	1
35	2.7	1.3	3 • ○									0.9	0
SSE	1.3	7.										3.	3
s	1.3	.7	.7									2.	7
SSW		.7										۰	7
AS.													
WSW		.7	. 7										3
*		1.										•	.7
WNW	. 7											•	1
¥													
NNN		. 7	.7									1.	60
VARBL													
CALM	X	X	$\bigvee$	12.	1								
	28.0	35.3	22.7	7	7							100.0	C

0

0

0

0

0

0

0

0

0

4.0

MEAN WIND SPEED

17.0

5.6

6.7

5.3

2.0

NNN VARBL

ž

CALM

30.7

28.0

4.2 5

246

150

TOTAL NUMBER OF OBSERVATIONS

100

7.1

4.3 4.6

2.0

3.50

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-77

MIRAMAR, CALIFORNIA STATION NAMES

93107

0

Q

0

0

0

NOURS (L.S.T.)

2 =

SURFACE WINDS

CONDITION

ALL WEATHE

12.0 2.0 4.7 3.3 10.0 8.0 5.3 22.0 4.7 4.7 100.0 10.7 \* 12 48 - 55 41 - 47 34 - 40 28 - 33 22 - 27 17 - 21 11 . 16 14.0 . 3.5 7 - 10 C . T 2.0 1. · \*

> 1.3 5.0

5.3

SS SS 8

1.3

1.3

- SS

0

0

2.0

2.1 2.0 4.0 .. 2.1

WSW

0

NS.

SSW

WNW

\*

4. 2.7

0.0

4.0

z z z z

0

4.6

1.3

SPEED (KNTS) DIR.

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

AON	MONTH	13	NOURS (L.S.T.)	
	YEARS			
73-77		ALL WEATHER	SETTO	COMBITION
MIRAMAR, CALIFORNIA	STATION NAME			
MIRAMAR,				

SPEED 1 - 3 (KNTS) 1 - 3 DIR.	z	NNE	W Z	BNE	ESE	35	SSE	•	MSS	AS.	L. WSW	2.0	WWW 2.0	L. MM	NNN	VARBL	CALM
•	1.3							1.	3.3	1.3	1.	10.0	2.1	8.0	1.		X
7.10	1.3		2.	.7			1.	1.3	2.0	1.3	4.7	10.7	8.7	6.6	5.7		X
11 - 16									1.	1.		4.0	2.7	2.7	0.4		$\bigvee$
17 - 21																	$\bigvee$
n . n																	$\bigvee$
28 . 33																	$\bigvee$
34 - 46																	$\bigvee$
41.4																	$\bigvee$
48 . 55																	$\bigvee$
*																	$\bigvee$
*	2.7		1.	.7			.7	2.0	0.9	3.3	0.0	26.7	16.0	20.7	11.3		3.3
WEAN WIND SPEED	6.3		10.0	10.0			8.0	8.0	6.7	8.6	6.7	7.3	2.9	7.5	9.7		

1119

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

1

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93107

SURFACE WINDS JAN 78

SURFACE WINDS

181

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93107

0

0

0

0

0

0

0

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

16 HOURS (L.S.T.) NOV 73-77 ATHE CLASS MIRAMAR, CALIFORNIA

SPEED 1 · 3 4 · 6 7 · 10 11 DIR.	7.3 4.7	L. JAN	N.	ENE	7.	183	35	SSE	7. 2.1.3	ssw .7 3.3	3.3	wsw .7 2.0 2.0 I	3.3 8.0	WNW 3.3 4.0 7.3	11.3	NNW .7 10.0 7.3 1	VARBL	CALM	
11 . 16   17 . 21	.7		7.	7.						L. *	.7	1.3	7	1.	7. 5.1	1.3		$\bigvee$	
<b>n</b> · <b>n</b>																			
28 · 33																		$\langle \rangle$	
34 - 40 41																		$\langle \rangle$	
41 - 47 48 - 55																		$\bigvee$	
<b>8</b>																		$\langle \rangle$	
×	7.3	7.	L.	1.	2.				2.0	1.4	0.4	0.9	12.0	15.3	24.7	19.3		2.0	
MEAN WIND SPEED	7.6	10.0	11.0	11.0	7.0				3.3	3.7	0.9	7.3	7.6	6.7	7.4	F. 3			

0910

SURFACE WINDS JAN 78

SURFACE WINDS

118

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 WEATHER CLASS

YEARS

19 HOURS (1.5.T.)

NDV

COMBITION

KNTS)		•	7 - 10	11 . 16	17 - 21	$n \cdot n$	28 - 33	34 . 40	41.47	48 . 55	% AI		*
z	2.7	11.3	3.3										17.3
NN	2.7	4.0	1.3										8.0
w Z	1.3	4.0										1	5.3
ENE	2.0	2.0											4.0
E	0.0	3.3	.7										10.0
ESE	1.3	1.3											2.7
SE		1.3										-	1.3
SSE		1.3										-	1.3
s	4.7	2.0		1.3								-	8.7
SSW	.7	2.0											2.7
SW	1.3	2.0											4.0
WSW		1.3	· 7										2.0
*	. 7	. 7	.7	7.									2.7
WWW	. 7		• 7	2.0									4.0
NA	P-	2.0		. 7									3.3
NNN	5.3	1.3											6.7
/ARBL												_	
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$		16.0
	30.0	40.7	8.7	4.7								-	100.0

TOTAL NUMBER OF OBSERVATIONS

....

150

3

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93107

MIRAMAR, CALIFORNIA

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

2

SURFACE WINDS

(FROM HOURLY OBSERVATIONS)

73-77

MIRAMAR, CALIFORNIA

ME LINE

CLASS

22 HOURS (L.S.T.)

,		
ſ		
1		
1		
1		
1		
1		
1		
1		
1		
1		
1		
ı		
,		
1		
,		
1		
,		
ł		
ı		
1		
,		
,		
1		
ı		
,		
1		
1		
Ł		
Ł		
1		
1		
ı		
ł		
1		
ı		
1		
ſ		
1		
•		
1		
,		
•		
1		
ı		
1		
1		
1		
1		
1		
ı		
1		
1		
1		
1		
1		
1		
1		
ı		
1		

SPEED (KNTS) DIR.	1.3	4.6	7 - 10	91 - 11	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	88	*	MEAN WIND SPEED
z	2.0	2.0										0.4	3.2
NNE	2.7	1.	1.									4.0	3.2
ZE	3.3	0.0										6.3	3.8
ENE	1.3	1.3										2.7	3.3
8	15.3	14.7	2.7									32.7	3.8
ESE	1.3	2.7	3.3									7.3	5.8
SE	1.3	1.3	1.3									4.0	6.7
SSE	3.3	1.3	1.									5.3	3.8
S	1.3	3.3	1.3									0.9	5.3
SSW		.7	. 7									1.3	8.0
SW		.7										.7	6.0
WSW		1.3										1.3	4.0
*	1.	.7										1.3	4.0
WWW		1.3		1.3								2.7	10.0
NW													
NNN	. 7	1.										1.3	6.5
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	16.0	
	22.3	7.88	10.7	1 3								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

150

SMOS DIRNAVOCEANMET

ALL HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

20

SURFACE WINDS

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

73-77 MIRAMAR, CALIFORNIA STATION MANE

93107

0

0

0

0

CONDITION

NEATHER CLASS

SPEED (KNTS) DIR.	:	;	7 - 10	11 . 16	17 - 21	n . n	28 · 33	34 - 40	41 . 47	48 - 55	<b>%</b>		*
z	1.7	3.2	1.3	.1	. 1								6.3
NNE	1.1	1.3	• 5									2	2.9
az.	1.4	1.7	e.	.2	. 1							3	3.7
3.	1.7	1.8	•2	1.								10	3.8
<b>w</b>	6.7	7.3	3.1	2.								17.9	6
ESE	1.7	2.5	2.1	.2								7.1	-
35	6.	1.2	83									3.0	0
356	1.2	1.8	5.	.2								3.7	1
5	8•1	1.7	1.0	.3								4.8	8
SSW	• .2	1.3	1.1	• 2								2.8	8
NS.	• 2	1.2	• 2	7.								1.9	0
WSW	10	6.	1.1	• 2	. 1							2.8	8
*		2.5	5.9	1.								6.9	0
WWW	1.3	1.5	2.3	5								6.1	-
WW	••	3.2	5.6	.7	- 2							7.2	2
MNN	1.4	1.9	2.3	. 7								. 9	3
VARBL													
CALM	$\bigvee$	12.6	9										
	23.2	35.6	23.2	5.0	4.							0.001	-

=

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

SURFACE WINDS

341

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 WEATHER CLASS CONDITION MIRAHAR, CALIFORNIA

SPEED (KNTS) DIR.	1:3	•	7 - 10	11 - 16	17 - 21	22 - 27	28 · 33	34 . 46	41 . 47	48 - 55	<b>%</b>	*	
z	1.9	1.3										3.2	-
N.	9.	1.9										2.6	
ž	1.9											2.6	
ENE	5.2	7.7	1.9									8.41	
-	11.0	14.2	4.8	1.3								34.8	
ESE	1.9	3.9	4.5	9.								0.11	
*	1.3	6.1		9.								6.€	
386	1.3	3.9	9.									5.8	
	2.6	1.9	£•1									8.8	
SSW			9.									9.	
SW													
WSW	9.											9.	
*		9.										9.	
WWW	9.											9.	
XX		0.										9.	
NNN		1.3										1.3	
VARBL													
CALM	$\bigvee$	X	$\bigvee$	11.0									
	29.0	40.0	17.4	2.6								100.0	

E

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

01 HOURS (1.5.T.)

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93107

0

(FROM HOURLY OBSERVATIONS)

WFATHER CLASS CONDITION MIRAMAR, CALIFORNIA STATION MARKET

0.4 HOURS (L.S.T.)

SPEED (KNTS) DIR.	 	•	7 - 10	11 . 16	17 - 21	22 - 27	28 . 33	34 . 46	41.4	48 - 55	<b>9</b> 5 AI	*	MEAN WIND SPEED
z	9.	1.3										1.9	0.4
NN													
Z.	0.	1.9										2.6	4.8
ENE	D.	6.5	9.	9.								13.5	0.4
	12.9	14.2	11.6	0.								39.4	5.2
ESE	3.9	4.5	0.6	9.								18.1	6.5
SE	1.9	1.3	9•	9.								4.5	5.0
SSE			5.1	1.3								2.6	9.6
S	1.3	6.1										3.2	3.4
SSW				9.								9.	11.0
SW			9.									9.	0.6
WSW													
*													
WNW		9.										9.	0.4
NW	9.	1.3										1.9	3.7
NNW													
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	10.3	
	27.7	33.5	23.9	4.5								100.0	4.8

0

-

1

O

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93107

0

0

0

0

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0.7 HOURS (L.S.T.) 73-77 WEATHER CLASS MIRAMAR, CALIFORNIA

SPEED (KNTS) DIR.	:	*:	7.10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41.47	48 - 55	8	*	MEAN WIND SPEED
z	9.	2.6										3.2	3.6
NN	1.3	6.1										3.2	3.6
NE NE													
Z	3.9	5.2	6.1									11.0	9.4
	7.6	18.7	10.3	1.3								0.04	5.2
ESE	6.1	1.6	1.1	1.3								20.6	6.7
*	1.9	1.9	9.									4.5	3.7
SSE	1.3	2.6	9.									4.5	4.4
8	9.			9.	9.							1.9	11.7
SSW		9.										9.	0.9
SW	• •											9.	2.0
WSW													
*													
WWW													
WW													
NNN		9.	9.									1.3	2.0
VARBL													
CALM	$\bigvee$	3.4											
	0	0 67	0		,								

0

0

1881

TOTAL NUMBER OF OBSERVATIONS

#### 5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

73-77

MIRAMAR, CALIFORNIA

93107

ALL NEATHER

Ē

10

DEC

SURFACE WINDS

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

KNTS)	::	;	7 - 10	11 - 16	17 - 21	n · n	28 - 33	4 . 4	4.0	4 . 35	8	*	
z	6	1.9	9.	9.								5.2	1
NNE	1.3											1.3	
NE NE	124	1.3		1.3								2.6	
PAE	1.3			6.1								3.2	8.6
3	5.2	1.3	9.									7 - 1	3.3
ESE	2.6	1.3	9.									4.5	4.1
3.8	1.3	1.3	9.									3.2	5.5
388	5.1	9.	6.1									4.5	4.4
S	5.2	5.2	1.9	9.								12.9	4.8
SSW	2.6	1.9							9.			5.2	8.3
SW	2.6	9.										3.2	m
WSW	2.0	1.9										4.5	3
*	3.6	9.										3.9	2
WWW	2.6	1.9	1.3									5.8	4.3
X	9.	9.	1.3									2.6	9
NNN	1.3	9.	• 0	9.								3.2	6.
VARBL													
CALM	$\bigvee$	27.1											
	36.1	51.3	7.6	5.7								100.0	2

1

DIRNAVOCEANMET SMOS

=

155

2

13 HOURS (1.5.T.)

DEC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

73-77

MIRAMAR, CALIFORNIA

HEATHE A

CONDITION

SURFACE WINDS JAN 78

MIND PEED 5.5

100 7.8

155

=

TOTAL NUMBER OF OBSERVATIONS

SPEED (KNTS) DIR.	1.3	;	7 . 10	 6	17.21	12.11	28 · 33	4 . 4	4.4	48 . 55	*	*	MEAN WIND SPEED
z	9.	1.3	9.	9.								3.2	6.4
NNE			9.	9.								1.3	
Z.				9.								9.	
ENE				9.								9.	
•	9.		1.9		9.							3.2	
282													
3		3.										9.	
386		9.										9*	
8	9.	1.3	1.3									3.2	
SSW	1.3	3.2	1.3	1.3	9							7.7	
SW	••	2.6	2.6	9								6.5	
WSW		2.0	1.9	9.								5.2	
*	1.3	4.5	9.0	9.								15.5	
WWW	1.3	7.1	6.5	9.								15.5	
MM	9.	4.5	11.0	3.0								20.0	
NNW	1.3	2.6	3.9	1.3								0.6	
VARBL													
CALM	X	$\bigvee$	7.1										
	7 8	21.0	A.0.A	11								0001	_

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93107

Ë

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 NEATHER CLASS

16 HOURS (1.8.T.)

DEC

CONDITION

SPEED (KNTS) DIR.	1.3	4.4	7 - 10	11 - 16	17 . 21	22 - 27	28 · 33	34 . 46	41.4	48 · 55	<b>%</b>	*	MEAN WIND SPEED
z		3.2	1.3									4.5	6.6
N.	9.											1.3	0.9
Z.				0.								9.	16.0
ENE				1,3								E . I	11.5
		9.										9.	0.5
ESE	9.											9.	3.0
SE		9.										9.	0.4
SSE													
8	9.	3.2	9.	1.3								5.8	7.7
SSW	9.		2.6									3.2	7.2
SW		9.7										2.6	4.3
WSW	1.3	6.1		9.								6.8	5.2
*		5.2	4.5									2.6	6.7
WNW	5.4	4.5	7.1	1.3								17.4	6.3
×	2.6	11.0	11.0	1.3								25.8	6.5
MNN	9.	2.6	12.3	1.3	9.							17.4	6.4
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	X	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	4.5	
	7 11	2 20	0 07	7 7	,							0001	3 ,

188

DIRNAVOCEANMET SMOS

=

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

93107

MIRAMAR, CALIFORNIA

Stat

8055

155

TOTAL NUMBER OF OBSERVATIONS

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

9110

SURFACE WINDS

YEARS 73-77 MEATHE MIRAMAR, CALIFORNIA STATION NAME

93107 STATION

0

4.4 4 . 4 3.0 6.2 2.3 2.0 0.6 MEAN WIND SPEED 0.5 3.7 4.1 4.0 4. 3.9 3.2 16.8 1.9 4.5 3.2 1.9 9. 1.3 9.6 5.5 20.6 100.0 × 12 48 - 55 41 - 47 34 - 40 28 - 33 22 . 27 17 - 21 11 - 16 • 4.3 0 • . 9. 1.3 1.5 . 001 7 - 10 34.8 8.4 1.3 9. 6.5 0.6 1.3 1.3 0. 9. 1.3 6. 4.6

9.7

1.

0

0

-3

Z

9. 2.0

22 22 23

0

F . 7

0.

9.

NN.

VARBL CALM

WNW

\*

. 3

WSW WSW

SSW s

MEAN WIND SPEED

\*

1 26

48 - 55

5.8

3.2

SURFACE WINDS JAN 78

4.4

0.5

1.3

4.0

4.5

4.1

6.5 32.9 300 6.5 3481

8.0

9.

2.0

. 3

8.5

.3

6.3

2.6 1.3 16.8

100.0

SHE

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

1

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

73-77

MIRAMARA CALIFORNIA STATION NAME

93107 STATION

22 HOURS (1.5.T.)

DEC

HEATHE CLASS

7 . 10

4.6

..

Z

E E

11 . 16

5.0 9.2 0. 12.3 1.9 4.5 3.9 ...

SSW

S

WSW

\*

3×

0.

0

9.

WNW N N VARBL CALM

25 22 25 25 SSE

3.2 14.2

w

2.6

3.2

9.

14.8

35.5

DIRNAVOCEANMET

SMOS

3.5

2.1

MEAN WIND SPEED

\*

12

22 - 27

17 - 21

11 . 16

7 - 10

4.6

1.3

SPEED (KNTS) DIR.

6.4

2.0 4.0

6.1

5.3 6.8 4.4

5.3

1.9

4.

5.0

8.3

21.9

6.8

5.5

4 .

7.

3.

0.

3.1

22.7

34.4

3 6

7.

•

.

1 . 1

0. 9

SSW

SW

WSW

6.1

w

.

1.8

5.0

æ• ₹

7 . 7

WNW

\*

VARBL

NN N

ž

CALM

100

2.8

1240

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

MIRAMAR, CALIFORNIA

YEARS

ALL MEATHE

ALL HOURS (LS.T.)

CONDITION

0

5.8

2.6 7.6 1.9

2.0

Z z ENE

0

6.4

8.7

w

3.2

2.8 1.3 1.6 2.3

1.1

SSE SSE

13.2

100.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

3556

93107 STATION

DIRNAVOCEANMET

SMOS

Ī

ALL HOURS (L.S.T.)

000

0

Q

0

Q

0

0

0

O

0

0

0

0

3

	YEARS		
73-77		ALL WEATHER	CLASS
MIRAMAR, CALIFORNIA	STATION NAME		
		73-77	ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	: ·	•	7 . 10	51 . 16	17 - 21	22 · 27	28 - 33	34 - 40		41 - 47		41 . 47	41 . 47 48 . 55
z	2.6	3.8	1.3	.2	0			0					7.9
NN.	æ.	1.3	6.	0.	0.	0			_				2.4
az az	9.	9.	• 2	1.	0.								1.5
ENE	1.1	1.1	.2	. 1	0.	0							2.5
	3.4	4.4	2 . 1	. 2	0.								10.1
ESE	1.2	1.8	1.1	2.									4.4
35	1.	8	5.										2.0
SSE	0.1	1.2	S.	1.	0.								2.8
s	1.4	1.9	1.3	4,4	. 1	0	0.						5.2
SSW	.7	1.3	1.0	47.	0	0			)•	_			3.5
SW	88	1.3	1.1		0	0							3.4
WSW	0.1	1.5	1.3	.3	0.	0							4.2
*	1.5	2.9	3.5	I • I	0	0	0.						9.1
WWW	1.5	2.8	3.8	1.3	. 1	0		0					9.7
¥	1.2	3.3	6 6	1.4	. 1	0							8.6
NNN	1.8	2.8	2.5	9.	7.								7.7
VARBL													
CALM	$\bigvee$	X	\ /	$\bigvee$		14.0							
	7 16	22 8	7.76	6. 0	i d	1.	C	-					0.001

===

044

000

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

MIRAMAR, CALIFORNIA

INSTRUCENT

ALL HOURS (LS.T.)

COMBITION LIZ ME OR MORE, CIG 200 TO 1400 FT

W/CIG ZOO FT OR MORE AND/OR VSBY 1/2 TO 2-1/2 MI

SPEED (KNTS) DIR.	1.3	* *	7 - 10	11 . 16	17 - 21	<i>u</i> · <i>u</i>	28 - 33	34 . 45	41 . 47	48 . 55	% Al	×	
z	4.7	4.9	00	.1	0			0.				12.2	+ +
W.X	1.0	1.5	207									2.8	-
¥	9.	.3	•									1.0	
ENE	4.	.3										.7	
	1.2	1.2	4.									2.8	
ESE	1.2	6.	9.									2.6	
35	1.	.8	• 1	. 1								1.8	
388	1.5	1.6	50	. 1								3.8	
	2.2	3.4	2.2	1.0			0.					8.9	
SSW	1.2	1.8	1.3	4, *	0.	. 1						4.3	- 1
AS.	1.0	7.4	4.	7.		0						3.3	- 1
WSW	1.7	1.2	.7	. 2	.1							4.0	- 1
*	1.8	2.2	1.1	9.	.1	• 0						5.7	- 1
WWW	2.0	2.5	6.1	49.	0.	0						7.0	
WW	2.0	3.2	1.7	5								7.4	
NNW	3.0	3.6	1.7									8.4	
VARBL													
CALM	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	$\bigvee$	22.8	
	24.40	32.2	14.2	8	7		c	c				100.0	

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

#### ART D

# CEILING VERSUS VISIBILITY

equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to presented as follows:

- 1. Annual all years and all hours combined
- . By month all years and all hours combined
  - By month by standard 3-hour groups

station was meeting or exceeding any given set of minima may be determined from the figure at the intersection reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by on pages 2 and 3 below. U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

# EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

0

	0 11	7		95.6			19.4	98.1		100.0
	% ~	7	1		New To					10
	≥ 5/16	7	1	delan						
	% ≥			2222	SE LINE					
	%	7								
	% Al								U K OS	
.ES)	N N							4.79		98.3
VISIBILITY (STATUTE MILES)	7.1 2		)							
BILITY (ST.	N 1 %	3								
VISI	2 2	(		7 11						6.96
	≥ 2%	3								
	N AI	4		91.0						4.56
	1	3		St Dat	a Brase					
	2 1	7								
	9 11	3								
	0 1	3								
CEILING	(FEET)	NO CEILING		≥ 1800 ≥ 1500	≥ 1200 ≥ 1000	0 08 0 40	VI VI 009	VI VI	N N	VI VI 8 0

Read ceiling values independently of visibility under column at right headed > 0. For instance, from the table: Ceiling > 1500 feet = 92.6%.

Ceiling > 500 feet = 98.1%. EXAMPLE # 1

Read visibilities independently of ceilings on bottom line opposite > 0. From the table: Visibility > 3 miles = 95.4%.
Visibility > 2 miles = 96.9%.
Visibility > 1 mile = 98.3%. EXAMPLE # 2

To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling > 1500 feet with visibility > 3 miles = 91.0%. EXAMPLE # 3

#### EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet</p> and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

#### EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value observations meeting the lower set of limits, but not meeting the higher set of limits. In the table for the second set of limits. The difference will be the percentage of

The value 91.0 read from the table at the intersection of > 1500 feet with > 3 miles, subtracted from 97.4 read from the table at the intersection of > 500 feet with > 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling > 500 feet with visibility > 1 mile, but < 3 miles; or ceiling > 500 feet, but < 1500 feet with visibility > 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

#### PART D

#### SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

- 1. By month and annual all hours and all years combined.
- 2. By month by standard 3-hour groups.
- Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data. NOTE:
- Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below: # 2:

TENTHS	01	m.at	rvo ∞	9 6 9
				(or obscured)
OKTAS	01	N 60	7 VV	7 8 (or o

CEILING VERSUS VISIBILITY JAN 78

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

O1 HOURS (L S T.) LAN

	0 1	1.0	1.0	1.6	3.6	4.2	7.4	78.7	3.6	10.7		15.8	1.1	19.7	2.3		5.5			95.5		5.5	96.8	1.4	000
	2 41	1.00	00						*	8 6 6 1	2.6	5.8	1.1 8	7.4	2.3 9	2.3	5.5	5.5	0.0	30	5.5	5.5	1.9	4.	7.41
	5/16	1.0 7	1.0				7.4 7		4.6	0.7 8	2.6	5.8	1.1	1.6	2.3 9	2.3	5.5		000	200	5.5	5.5	6 8 9		7.4 9
	AI %	. ·	0.1	:	300		76.8 7		\$	81.98	. 0	5.8	7.	7.1	2.3 9	2.3	5.5	5.5	0.0	200	2.	5.5	6 8 9	-	7.
	*	1.0 7	00	0 1	9 0	. 2	76.8 7		4		0	2.8	10	2 . 4	2.3	2.3	5.5	5.5	0 4	30	5 . 5	5.5	6 8 9	7.4 9	1
	* AI	1.007		0	00	.2	3	1.	4	- 0	0		-		2.3 9		5	•	2	5.00		10			
	-	1.0 7	00	0	0	.2	m 4	1.	4.6	-0	2.6	9	1.1	2.1	2.0	2.3	3.5	5.5	000	5.0	5.5	5.5	6.89		7.4 9
JTE MILES)	71.7	7.7 6	0.0	-			1.9		8.7	0-	6	. 2	50	0	90.3 9	9	20.	6 8 9	200		4	4.8	2.50		•
VISIBILITY (STATUTE MILES)	۲۱ ۲۱	.0	6.0	0	6.2		6.8 7	7.	1.	0-	16	5.5	6.0	0.6	1.6	0	8.4	8 9	0 0	8 9	6.8	4.8	5.50	5.5	5.5
VISIBIL	7 7	:0	000	1.0	2.0		1.9		1 7.8	0.0	10	160	6.9	0.6	6 6 9 1	0	. ;	8 . 4	3	0 0	8.4		* *		4.8 9
	> 2%	- e · o	70.37	1.0	00	3.6	76.8 7	-	8.7	80.0	6	2	6.9	0.6	6 9 16	9	N	7.4	4 6	2 74	7.	2.	94.2 9	7.	4 . 2
	E AI	- 1	(a) (a)	0			~ 0	8.1	.7				6.5	0.6	9016	1.0	4.2	7.4	7.4	24.5	4	34.2	24.5	~	4.2
	4	69.7		0	2.0		20	4		3 1		i im	5.8	8.4	69.16	0	3.6	3.0	3.0	93.6	3.6	93.6	93.6	3.6	3.6
	<b>50</b> Al	65.6	4 4	3,			2.47		8.94	-3		7	.5		5 F		9	5		0 0	0	0	0.0	0	0
	9 AI	67.7	-		3	-	0. 4	90	10	00 -	-	6	2.	8	- 4	4		-			-		1	-	F.
	2 1		0	0	00	1.0	50	M	m	mo	. 0	0	0.	•	0.0	0	0	0		. 0	5.9	5.9	0.0	2.9	5.9
CEILING	(FEET)	NO CEILING	00081 V	7 14000		300	8000		2000	4500		3000		2 2000	0081		88	06 AI	8	8 %		88	8 8	1	111

TOTAL NUMBER OF OBSERVATIONS

155

SWOS DIRNAVOCEANMET

CEILING VERSUS VISIBILITY JAN

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

73-77

04 HOURS (1 S T ) NAL

200

-		AI	-	75.	75.	75.	76.	76.	78.	78.	78.	80.	80.	81.3	81.	83.9	84.	85.	90	92.	92.5	93.6	93.6	94.	94.	95.	96	96.	96.	96.	98.	.86	300	00
NOUNS (1		AI	11.6	75.5	75.5	75.5		1001	78.1	78.1	8	80.0	80.7	81.3					8006	5	2.	93.6			;	95.5	1.96	1 .96		8.96	1.86			4.66
		≥ 5/16	11.0	74.8	74.8	74.8		73.5	17.4	77.4	78.1	19.4		80.7	81.3	83.2		85.2	89.7			6.26	92.9	2.56	94.2	8 . 46	3	95.5	1.96	1096	4.16	98.1	98.7	98.7
		× AI	11.0	74.8	14.8	14.8	75.5	75.5	4.11			19.4		80.7	81.3			85.2	89.7	-		3	65.6	2.46	2.56		65.5	95.5	1.06	96.1		1.96	196	1.86
		*	11.0	74.8	14.8	74.8		75.5	11.4	77.4	78.1	19.4		80.7	81.9	83.2		85.2	89.7	91.6	2	65.6	65.6	2.46	34.5	8.76	95.5	95.5	1696	1.96	8 . 96		1 . 86	
		% Al	0.1	74.8		14.8	75.5	75.5		77.4	78.1	19.4	0		81.3	83.2	83.9	85.2	89.7	9110	65.36	6.26	92.9	2.46					1.96	1.96	8.96		1 . 86	
OF OCCURRENCE ERVATIONS)	S)	- AI	71.0	74.8		74.8	75.5	75.5	77.4	77.4	78.1	4.64	0	80.7	81.3	4	3.5	5.2	6	91.6	2.	2.5	2.	34.5	2006	*	3			96.1	8.96	97.4	7.46	97.4
CCUR	TUTE MILE	71 71	11.0	74.8	74.8		15.5	75.5	4.1			79.4	0	80.7	81.3	•		5	6		~	2	2	2.46			2	98.5	96.1	96.1	1.96	•	8.96	•
	VISIBILITY (STATUTE MILES)	٧١ ٧	71.0	74.8		74.8		75.5	77.4	77.4	78.1	79.4	80.0	80.7	81.3	83.2			89.7	91.6	6.26			2.46	2.46	8.46		95.5	1.96	1.96	1.96			96.8
	VISII	1 N	71.0	74.8	74.8	74.8		75.5	77.4	77.4	78.1	79.4		80.7	-	83.2	3			91.6	2	2		•	*	3	98.5	5	96.1	90.1	1.96	1.96	1.96	1006
_		≥ 2%	10.3	74.2	74.2	74.2	14.8		16.8		17.4	78.7		80.0			83.8	84.5		91.0	91.6	•	92.3		93.6	•		*			94.8	*	8 . 76	*
PERCENTAGE (FROM		E AI	70.3	74.2		74.2	14.8		76.8		77.4	78.7	19.4	80.0	80.7	•	83.2	•	5	91.0		2	85.3	3		*	34.5		*	8.46		*	8.46	
ERCEN (F		4	70.3	74.2		74.2	74.8	74.8		16.8	7.1	78.7	4.61	80.0	80.7	82.6		84.5		6.06		91.6	91.6				92.9					93.6		93.6
		\$ 21		3	73.6		*	74.5	0	76.1	9	78.1	78.7	19.4	0	~	N	3	33	89.7	0	-	-	2.	2	5.	2.	5.	2	5.	2	65.6	2.	2
		9 Al								75.5				78.7																		91.0		
		5	27.7		6		29.7		0	0	0	:	-	-	-	-	-	2.	2	7	2	2.	2.	5.	2.	7	2.	5.	2.	2.	2.	32.9	2.	2
	CEILING	(FEET)	NO CEILING	> 20000	1	14000		2 12000		000	1	000	1	0005	1	900	1	3000		171	1	150		0001		8 Al		8		141		141	8	٨١

TOTAL NUMBER OF OBSERVATIONS

155

8000

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10 MOUNT (187) NAC

=

							1	1								
CEILING							VISI	VISIBILITY (STATUTE	TUTE MILES	ŝ						
(FEET)	01 21	9 11	5 41	1	e Al	2 2%	7 7	V1 %	7 1 7	-	% Al	*	Z AI	2 5/16	× AI	O AI
NO CEILING		63.	1.		5	5	5			5.8		3.	1.	5	5	65.8
> 20000	41.3	67.1	1.69	69.7	7.69	1.69	70.3	70.3	70.3	70.3	70.3	10.3	70.3	0	70.3	70.3
		67.												0	0	
N 16000	41.3	67.				6									0	
	6.14	68.	•	:		•				0				:	-	
≥ 12000	41.9	68	•	71.0	71.0	71.0	71.6		71.6	-		71.6				
	43.9		•													74.8
000	43.9	71.	•	•		74.2				4.8	•					74.8
	45.8		•							-:			18.1			78.1
7000	45.8	76.1	•	8						4.6			19.4			19.4
1	45.8	16.	18.1	78.7						3.6			19.4	6	10	79.4
2000	45.8	16		78.7						4.6		19.4	19.4			79.4
1	45.8	16.	4.61					1.		0.0				0		80.0
141	40.5	78		80.7						1,3		•		-	81.3	81.3
	40.3	000				2.				3.2		83.2		0		83.2
3000	47.1	81.	84.5			3										85.8
	48.4	85.		8		8				0				6		89.0
7 2000	4004	86.				0				1.0		91.0		-		
	40.4	86.	•	0		0				1.0				-		0.16
1500	49.0	98	•			-				4.2	-			*		34.5
	0.64	68		3.		*				8 . 4		84.8		4.		94.8
000	49.0	06		34.2		8.46		69.5		.5	-	95.5		95.5	95.5	95.5
	0.65	90.	•	3						9.9		8 . 96		0		8.96
8	49.0	90.		94.8						6.8	-	8.96		9		8.96
	0.65	90.	•	3	*					6.8	-	8 . 96		9	8.96	96.8
8	49.0	06	•	8. 76	•	95.5					8.96	8096	8006		96.8	8 . 96
	49.0	90.			*					*	-	31.4		:	41.4	97.4
8	49.0	90	•		;	6.56		4.16	4.16	*	-	97.4	-	97.4	97.4	97.4
	0.65	90.		*		•				3.	-	1 . 86	20	8	1.86	98.1
700	•	90.	•	4		95.5			•	*	98.1	98.1		98.1	1.86	98.1
8 4	0.64	8006	93.0	94.8	8.46	98.5	4.16	37.4	•	8.1	1.86	186	1.86	48.7	186	98.7
٥	•	90	•	7		95.5		4.16	97.4	-	1.86	78.7	198.	98.7	4.66	00.00

TOTAL NUMBER OF OBSERVATIONS

155

...

DIRNAVOCEANMET SMOS

O M O

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107

0

Q

0

MIRAMAR, CALIFORNIA STATION NAME

73-77

NA P

I

10

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISIA	VISIBILITY (STATUTE MILES)	TUTE MILE	(5:						
(FEET)	2	9 Al	5 41	4	8 Al	2 2%	2 AI	% AI	VI %	71	% Al	*	Z AI	≥ 5/16	AI N	1
NO CEILING	43.9	62.6	73.2	63.2	72.0	74. 2		2.69	65.2	65.2	55.2	74.2	55.5	76.2	5.50	650
	•					•	•	36 46		•			3 7 7 X	3 7/	•	
0009				72.3		74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.00	74.8		7
					74.8	1.91	76.1	76.1	6.	76.1	76.1	1601	76.1	76.1	76.1	
7 12000	69.0	74.2	74.8	74.8	76.1	77.4		77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.
			15.5	75.5	16.8	1.81	78.1	78.1	78.1	78.1		1801		78.1	78.1	78.
0006			75.5	75.5	16.8	78.1	78.1	78.1		78.1	78.1	78.1	78.1	78.1	78.1	78.
1			7.1	77.4	78.7		0	30.0	80.0			80.0	0		B0.0	80.
7000	-		77.4	77.4	78.7	80.0		80.0		80.0	80.0	80.0	0	80.0		80.
1	-		78.1	78.1	19.4	000	80.7	80.7	80.7	1000	80.7		80.7		80.7	80.
2000	51.0		80.0	80.0	81.3	82.6	82.6	82.6		82.6	82.6	82.6		82.6	82.6	82.
1	-		81.9	81.9		4				. 4	*			4		84.
1 41	52.3	61.9	83.2	83.2	34.5	85.8	85.8	3	85.8	85.8	85.6		85.8	85.8	85.8	85.
1	2.		83.9	83.9	85.2	86.5		86.5	9	86.5	9		86.5		86.5	86.
3000			87.1		99.4	89.7	89.7	89.7		89.7			6			89
	*		90.3	8006	91.6	92.9	92.9		92.9	92.9	2	2 .	92.9	92.9	65.6	92.
7 2000	;		6.26		94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5				95.
			92.3	65.6	2.46	95.5			95.5		95.5	95.5	95.5	95.5	95.5	95.
2 1500	*		93.0		1.96	4.16	4.16	4.16		4016		97.4	97.4			97.
1			93.6	4.			4.66	4.16	4.16	4.16		91.4	4.16		97.4	97.
000			93.6		1.06	4. 16	4.16	4.16	-	97.4	4.16		4.16	4.16	4.26	97.
			93.6	8 . 76	1.96	47.4	4.16	4.16	97.4	97.4	5_			97.4	4.16	97.
808	;		93.6	8.46	96.1	97.4	4.46	4.16	4.16	97.4	4.16	97.4	4.16	97.4	97.4	97.
	*		93.6	8. 96	96.1	4.16	4.26	4.76	4.16	97.4		91.4	4.16	97.4	97.4	97.
8	*		:	95.3	90.06	98.1	98.1	1.86	1.86	7.86	7.86	98.7	98.7	98.7	98.7	98
	*		2.46		90.8	1.86	1.86	1.86	1.86	7.86	1.86	98.7	98.7	98.7	98.7	98
8		65.6	2.46	95.5	8.96	98.1	7.86	7.86		4.66		4.66		4.66	4.66	66
	5		34.2	5		98.1	7.86	68.7		0	100.0	100.001	0000	100.0	100.0	100
7 200	*				8.96	98.1	1.86	98.7	98.71	0	10000	100.001	10000	100.0	100.0	100
8	54.8	65.6	2.46		•	1.86			8.7	.00	0			•	•	001
0	3		74.2	6066	90.0	78.1	98.1	198	12.06		0000	100.001	0.001	10000	100.0	00

TOTAL NUMBER OF OBSERVATIONS

155

# **CEILING VERSUS VISIBILITY**

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13 HOURS (1 8 7 ) AAN

CEILING						-			-							
(JEE)	5	<b>9</b>	\$0	4	e Al	Y 2%	~ Al	۲۱ ۱۷	٧١ ٢٠	- AI	% Al	* AI	N Z	≥ 5/16	NI NI	٨١
NO CEILING	37.4	9		\$ 65	0.09	0.00	61.3	61.3	61.3	61.3	61.3	619	61.3	01.3	61.3	010
× 20000	39.4		67.7		70.3	70.3	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.0
	39.4			6		11.0	72.3			72.3	72.3	1203		-	72.3	72.
14000	39.4				71.0	71.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	
	40.0		1.69	11.0			13.6					73.6		-	73.6	73.
12000	40.7		70.3	71.6	72.9	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.
	43.2			14.8				-			77.4	17.4		11.	77.4	77.
000	43.2		73.6	74.8	76.1	76.1	77.4			77.4	77.4	77.4	77.4	1	77.4	77.
	43.2									90	78.1	78.1		-		78.
141	43.2		74.2	75.5		76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.
1	43.2									78.1	78.1	78.1		-	78.1	78.
2000	43.2		76.1	77.4	78.7	78.7	80.0	80.0	80.0	80.0	80.0		80.0	80.0	80.0	80.
1	43.9		76.8				80.7	0		0	80.7	80.7		80.		
804	45.2		78.1		80.7	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.
	47.1		80.7				84.5				84.5	84.5		20	84.5	84.
3000	49.7		35.5	86.5	87.7	87.7	0.68		89.0		89.0	89.0	89.0		89.0	89.
1	21.6		4.08	89.1	0.16	91.0	92.3	92.3	92.3	92.3		92.3	92.3		92.3	
2000	52.9		91.0	6.26	2.46	2.46	96.1	96.1	90.1	96.1	1.96	96.1	1.96	96.1	1.96	96
1	52.9		91.6				96.1	1.96	96.1			1.96	1.96	96.1	1.96	96
1500	55.9		6.26	2.46	95.5	95.5	4.16		97.4	97.4	4.16	97.4	97.4	97.4	97.4	97.
	52.9		65.3	94.8	1006		98.1	98.1	98.1	98.1	98.1	98.1	1.86		98.1	98.
1000	52.9		6.26	94.3	8.05	96.8	7.86	98.7	98.7	98.7	98.7	98.7	98.7	98.7	486	.86
	52.9		93.6		4.16		4.66		4.66	7.66	4.66	4.66			4.66	66
8	52.9		93.6	95.5	4.16	4.16	30.66		4.66	4.66	4.66	4.66	4.66	99.4	4.66	66
	52.9		93.0	6.56	4.16	4.16	4.66	7.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	66
8	52.9		93.6	85.5	4.16	4.16	7.66		4.66	4066	4.66	4.66	4.66	4.66	4.66	66
	52.9		93.6	62.56	4.16	41.4	4.66	4.66	4.66	7.66	4.66	4.66	4.66	40.66	4.66	99.
8	52.9		93.6	65.5	4.16	97.4	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	66
	52.9		93.0	62.3	4.16	4.16	4.66	4.66	40.66	9.66	4.66	4.66	4.66	4.66	4066	66
500	52.9		93.6	95.5	4.16	4.16	4.66	4.66	4.66	4.66	4.66	4.66	4.66	99.4	4.66	66
8	6.75	4.83	93.0	0	4.16		4.66	6	4.66		100.0		100.0	100.0	100.0	100
	32.9		93.0	95.5	27.4	97 6	700	000	000	7 00	0.001	0	000	-		

155

TOTAL NUMBER OF OBSERVATIONS

388

SMOS DIRNAVOCEANMET

93107

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA STATION NAME

93107

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NAL

140

16

CEITING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILI	(5)						
(FEET)	21	9 Al	89 Al	41	e Al	¥ 2 %	71	V1 7/2	VI 7.	-	% Al	*	Z Al	≥ 5/16	N N	O Al
NO CEILING			63.2	0	9		2				61.			67.	67.1	67.1
> 20000		-	:	~	6				*	•	74.	*		74.	•	•
		-	:	2			3	3	;	*	14.		3	14.		
1 41			:	72.3			*	;	*	*	74.			74.	74.8	
					*		5	5	5	5	75.	5	5	75.	0	
17000				•	5				9	9	76.	.9	.0	76.		76.8
1			-		6	0	5	0	0	0	80.	0	0	80.		
000		-			0	-	-	-	-	-	81.	-	-	81.	-	
		-		-	2.	3		3	3	3	83.	3	3	63.	3	
141				81.3	2	83.2			3	10	œ	83.2	3	83.		83.9
1			-	2	3	3	3	*	*	3	84.		4	40	3	
2008	41.9		•	3	*		10	5	5	3	85.		5	85.	Š	
				60	3	3	8	5	2	30	85.	2	3	85.	9	
100			•		3	85.8			5	10	œ	2	5	85.		
				5	-	-	:	1	7.		87.	-	-	87.	8	
308			84.5	86.5	87.7	4.88	30	88.4	88.4	88.4	88.	88.4	88.4	88	89.0	89.0
				6	-	-	-	-	-	-	.16	-	-	91.		92.3
2000			:	2.	*	4	3		*	4	0	*	*	94.		95.5
				94.8	9	8.96	.0	9	9	9	96	96.8	0	96		97.4
141			•	. 4	0	9	•	.0	9	9	0	. 9	0	96	4.76	•
1				95.5	.9		-		-		97.	40.16		97.		98.1
141					4.16	7.86		98.7	8	00	86		O	98.	4.66	4.66
					2			8	8		6	98.7	8	98.		99.4
8				96.1	-	80	30		30	8	98.	98.7	*	98.	7.66	4.66
				96.1	-	000	100		00		6	98.7	20	98	4.66	90.66
141				96.1	-	8			8	8	0	98.7		98.	4.66	99.4
				96.1	-		8	48.7			6	186	00	_	4.66	7.66
1 4				1.96	1	98.1			8	8	0	1.86	7.86	98.	4.66	4.66
				1.96		1.86	00		8		0	4.66	5	0	100.0	100.0
141	43.2	87.7	92.3	1.96	4.16		98.7	98.7	98.7	0	66	99.66	6	66	10000	100.0
-				1.96		198	9	1.86	9	7.66	7 66	\$ 66	4.66	6	10000	100.0
1 11			•	96.1	7			7.86				6		0	100.00	
	ı	1	1	1		-										

TOTAL NUMBER OF OBSERVATIONS

155

398

SMOS DIRNAVOCEANMET

p nn n a - a c m a a a a a u u u c u m a a u u u m

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NAL

19 NOURS (L S T.)

	AI	72.	75.	75.	75.	1	78.	19.	80.	81.	81.	83.	83.	83.	84.	84.	86.	89.	06		92.		95.		95.	96	97.	1	66	000	00	00	00
	NI NI	6.21	75.5	75.5	75.5	77.4	78.1	79.4	0	81.3	81.9	83.9	*		84.5			6	90.3				95.5		95.5	96.8	4.16	1.86	4.66	10000	•	100001	0
	≥ 5/16	12.3	74.8	14.8	74.8	76.8	77.4	8	19.4	0	81.3	3.	83.2	3	10		85.8	68.4	89.7	89.7	92.3	92.3	94.8	8.46	8.46	1.96	96.8	98.1	98.7	40.66		4.66	4.66
	% AI	72.3		9.41		16.8	77.4				:				83.9		5	8			2.		94.8		8. 56	.0	96.8		98.7		6	4.66	4.66
	*	2.	*	8 6 9/		5	-		19.4	•	-					83.9		88.4	89.7	1068		92.3		8 . 76			8 . 96	1.86	1.86	4066	4.66	\$ 66	5.66
	% AI	2.	74.8	74.8			77.4	80	4.64		81.3	83.2	83.2	83.2			85.8		89.7	89.1	92.3	92.3	3.46	94.6	8.46	1.96	96.8	1.86	7.86	5.66	4.66	4.66	4.66
	-	72.3	74.8	•	74.8	16.8	77.4	00	19.4	0	-		83.2	10	83.9	100	5	4.88	89.7	1.58	2	92.3		8 . 76	8.96				7.86		4.66	4.66	4.66
UTE MILES	71 71		74.2	14.2	74.2		16.8	16.1			80.7		2.6	5.6	3.2	3.2	7	. 7	0	0.6	9.	9.	34.2	7.	~	5.5	7.	4.	98.1			18.7	
VISIBILITY (STATUTE MILES)	¥1 ¥	71.6	74.2	•	74.2	0	16.8	8			0	2	2	2	83.2	3.	2	-		5	-	-		4		5	96.1		98.1		1.86	1.86	98.7
VISIB	7			-	•				78.1			-	-	-	82.6		84.5	-	03	8	•	-	93.6			3	95.5				98.1	98.1	1.86
	2 2%		12.3	6.21	72.3	7.51	14.8	9	76.8	1.8		0.0	1.0	0.1	61.3	1.3	3.2	5.8	7.1	1.	7.6		2.3		2.3	3.0	4.2	5.5	96.1	8.9	8.9	96.8	8.96
	6 Al	0.6		11.6				5	-:	*	-:	0.	0	0		1.	9.	.2	5	5	0	0	9	9.	1.0	5.3	5.5	7.4	8.46	5.	95.5		30
	4	0.6	71.6	9.11	11.6	3.6	74.2		76.1	3.	-1	0.0		0	1.0		2.6		6.5	. 3		0.6	0	0	91.6	2.3	92.3	9.	34.2	0 . 76	94.8	8 . 46	8.46
	\$ 1	57.7		•	70°3		6.21		8.41		8.91		-		19.4	4.	7	3.9		7.	7.7	-	6.06		4		0.16	6.76	6.26	92.3	92.3	6.26	92.3
	40										00	80	00	80	3	3	4			2	2						87.1		87.7	1.1	7.7		7.7
	9 41	3	0	0	0	9	0	7	~	5	3	5	30		5	2	5	7.	-	7	0	00	0	35	<b>a</b>	80	00	3	00	30	36.8	3	0
CEILING		+	20000	-	16000	-	12000	+	0006	+	2000	-	2000	+	4000	-	3000	+	2000	-	1500	+	000	+	008	+	200	+	8 8	+	388	+	
a diameter	<b>F</b>	9	14	1	1 1		1 1	1	1 11	1	1 11	1	1 11	1	I AI		IAI		IAI	1	1 11		1 11	^	1 11	^	I AI	^	ı AI	^	I AI	^	I AI

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) MIRAMAR, CALIFORNIA STATION NAME

NAWAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

73-77

22 HOURS (L S T.)

2

JAN

	٥	72.9	2					74.8	16.8	77.4	78.1	78.7	78.7	19.4	81.3	83.9	85.8	88.4	89.0	6	:	92.9	93.6	94.2	95.5	95.5	95.5	95.5		97.4	98.1	000
	NI N	72.9	0	0		9.	2	4.8	27	1.4	7.	. 7	_	4.6	1.3	3.9	5.8	4.0	0.6	2.1	9.	5.9	3.6	4.2	-	5.5	5.5	5.5	00	4.		76.11
	≥ 5/16	72.9	10		3	3.	4	4 .	9	7	20	78.7	00	19.4		3	2	00	0.68	6	-	2.	-	*	5.	5	5		9		98.1	0
	% Al	72.9					. 4	*	. 9		8	00		79.4	81.3		85.8		89.0					*	95.5	2	95.5			4.16	1.06	1006
	*	4.89	2	2				74.8											89.0	6	•	3	93.6	*	62.5	2	3	95.5	9	-	91.6	4
	% Al	72.9									•	78.7	78.7	19.4			5		0.68	0	-				95.5			5	•	4.16	4.16	4.16
ŝ	Ā	72.9	10	10		73.6		74.8		77.4	œ	00		5	-	8	5	00	0.68	G.	-	2	3	*	3	5	180	5	1096	1.96	1.96	96.1
VISIBILITY (STATUTE MILES)	¥1 ¥	72.0	3 0							•		•	30	5	-	3		8			-			*		3		5	1.96	1.96		96.1
BILITY (STA	V1 %	72 9		72.9			74.2	*	0	77.4	00		30			3	85.0		0.68	6	-	6.26		*			2	95.5	1.96	96.1	1.96	
VISII	7	73.0	3	י א	100	15	3		.9	-		8	30	6	-		85.8	4 . 80		1.68	-	6.26	93.6	94.2	5	è		95.5		96.1	1.96	
	2 2%		3 5	72.3				•			17.4	•		•	ं	83.8		-	88.4	6	-	2		-		•		94.8	•	95.5	•	45.5
	E AI		5	72.3	2			4	0		7	*	78.1		0	-		-	88.4	6	-		2.	93.6	3	*	4	*	5	65.5	2	69.5
	4	12.27	3	72.3	72.9	72.9		74.2		76.8	77.4	78.1	78.1			83.2	85.2		88.4		0.16	92.3	65.6		93.6	93.6	93.6		•	94.5		34.5
	\$5 A1	71.0		71.0	-	71.6	2	72.9	3	75.5	.0	76.8	. 9	77.4		81.9	83.4	86.5	87.1	87.7	89.7	6006	0.16	91.0	91.0	91.0	91.0	91.0	91.6	91.6	91.5	91.6
	o Al	24.5	-	68				70.3			72.9			73.5					32.6			85.2	50	65.2	5	5			100	5	200	
	2	30.3																														
CEILING	(FEET)	NO CEILING		1 4 1 4		17000		000	1	141		2000		1 41	1	3000		7 2000	1	1500		141		8	1	8		141		141	8	0 1

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (LST) NON THOM

1

CEILING							VISI	VISIBILITY (STATUTE	ATUTE MILES)	(8)						
	71	۸۱	\$0 Al	4	M Al	2 2%	7	V1 7/2	77	- AI	% AI	*	Z AI	2 5/16	N AI	٨١
NO CEILING	34.5	63	1.59		0	9	1.		-					67.4		67.6
> 20000		68	70.3	71.3	11.9	72.2	72.7	72.8	72.8	73.0	73.0	73.0		73.0	73.2	73.2
	36.4	80				•	•		•		3		•	73.2	•	73.4
2 16000	36.4	689		71.5		72.3	72.9	73.0	73.0	73.2	73.2		73.2	73.2	73.4	73.4
	36.7	69			3		3					14.3	*		*	74.5
2 12000	36.8			73.1		14.0	74.5	74.6	74.6	74.8				74.8	75.0	75.0
	37.8	72.			5	9	0							8.91		11.00
0006	37.9	72.7	74.5	75.5	76.1	76.4	76.9		77.0	77.2	77.2	77.2	77.2	77.2	77.4	77.4
1	38.8	14.	16.3	77.3	-	18.2		78.8		19.0		0.61	0.6	6	2.61	79.2
1 1 1000	39.0		76.9	77.8		78.7		19.4		19.5	6	79.5		79.5		79.8
1	39.0	15.		78.6	6	6.61	0	0			0	•	0	80.3	80.6	80.6
2000	39.1	76.	78.5	79.4	80.0	80.3	80.9	81.0		81.1	81.1	81.1	81.1	61.1	91.4	81.4
	39.4	16.			0		1			-	-	81.9	:	-		
141	39.8	78	80.2	81.2	81.8	82.1	82.7	82.7	2.	82.9		82.9	82.9	82.9	83.2	83.2
1	40.2	61		82.5			*		*			34.5	84.2			84.4
3000	40.7	81.	84.0	85.0	85.6	65.9	86.5	86.5	86.5	86.7	86.7		86.7	166.7	86.9	86.9
1	41.5	94.	86.9	87.9		00	6		6	89.6						89.8
1 2000	41.8			2.06	6.06	91.2	616	6.16	-	92.1		92.1	92.1	92.1	92.3	
1	41.9	90	89.3	0	61.5	-		2.		92.7				92.7		95.9
2 1500	45.0	87.	•	92.3	2 .	93.2	3		•	•	1.46				•	94.4
	45.0	88	•	2.	3.	•	*	4.46		94.6		94.6		+	•	
000	45.0	83	92.1	93.00	•	0.56		•	3	•	0.96		0.96		36.5	96.2
	42.0	08	92.3	0.46	*	2056		1006		6.96		9		0	96.5	96.5
008	42.0	88	92.3	0.46	;	4.56	2.96	6096	•	96.5		96.5		•		96.7
	42.0	)	6.76	34.5	5		. 9			•		6.96	6.06	6.96	1.16	97.1
8	45.0		95.4	6.46	3	6.56	96.8	6.96	0	97.1		97.1		97.1	97.3	97.3
	42.0	)	92.7	6.46	2		-	21.5	37.2	4.16		31.4		40.4	7.16	97.7
141	42.0	89.1	92.7	94.5	1.56	96.2	97.3	97.3	1.	91.6		91.6	-	91.6	97.8	97.8
	42.0	1	92.7	8 76	2	40.06	:	91.6		98.1		2.86	98.3	98.3	98.6	98.6
30	42.0		1.76	94.8	•	\$ 96	4.16	97.7	7.16	98.2	98.5	98.5		98.6	98.8	98.8
8	45.0		32.7	. 5		4006	4.16	97.7	7.76	4.86		8.86			6	88.5
٥	45.0	a	92.7	94.8	95.8	36.4	4.26	7.16	97.7	98.4	98.8	8.86	0.66	0.66	99.3	000

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

200

## CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

O1 HOURS (LST.) FEB

2 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	CEILING							VISI	VISIBILITY (STATUTE	ATUTE MILES)	ES)						
22.0 59.6 52.4 62.4 62.4 62.4 62.4 62.4 62.4 62.4 6	(FEET)	۸۱					≥ 2%	7	VI 7/2	71 71	71	% AI	*	Z AI	≥ 5/16	VI Z	٨١
22.0 59.6 52.4 52.4 52.4 52.1 52.0 59.6 52.4 52.4 52.4 52.4 52.4 52.4 52.4 52.4	O CEILING	21.	2	-		-			-	-	-	1:	-	-	-	-	-
18000 22.0 59.6 62.4 62.4 62.4 62.4 62.0 59.6 62.4 62.4 62.4 62.4 62.4 62.4 62.4 62	Z 20000	22.	0	2	2.	2.	2	2	2	2.	2	2.	2	5	2.	5	2.
16000 22.0 59.6 62.4 62.4 62.4 62.9 12000 22.0 59.6 62.4 62.4 62.4 62.4 62.4 62.4 62.4 62	7 18000		0	2		2.		3		2	2	2	2	2	2.	5.	62.4
12000 22.0 59.6 62.4 62.4 62.8 63.8 63.8 63.8 63.8 63.8 63.8 63.8 63			0	2		3	2	2	2	2	2	2	2	2	2.	2.	2
22.0 59.6 62.4 62.4 62.4 62.4 62.8 63.8 63.8 63.8 63.8 63.8 63.8 63.8 63			0	2		2		2.		2	2	2.		2.	2.	5	2.
22.0 61.0 63.8 63.8 63.8 63.8 63.8 63.8 63.8 63.8			0	2		2.	2.	2	2	2	2	2	2	2.	2	5.	2.
22.0 61.0 63.8 63.8 65.3 65.3 65.3 65.3 65.3 65.3 65.3 65.3			0	3	50	3	3	5	3	3	3	3	3	3.	3	3	3.
8000 22.0 62.4 65.3 65.3 65.3 65.3 65.3 65.3 65.3 65.3			0	3	3	3	•	3		3		3		3	3		3
22.0 62.4 65.3 65.3 65.3 65.4 65.3 65.3 65.3 65.3 65.3 65.3 65.3 65.3			4	2		5	2	3	S	5	5	2	3	2	2	3	2
22.0 62.4 65.3 65.3 65.3 65.3 65.3 65.3 65.3 65.3			4	5	3	3.	5	3	3	5	3	3	2	3	5	2	2
22.0 62.4 65.3 65.3 65.3 65.3 65.3 65.3 65.3 65.3			4		3	5	3	3	2	2	3	0	2	2	0	2	5
25.0 22.0 63.1 66.0 66.0 66.0 66.0 22.0 63.8 66.7 66.7 67.0 23.0 22.7 66.0 68.8 68.8 68.8 68.8 68.8 68.8 68.8			4	5	5	2	5		2	5	5	2	3	5	5	3	00
22.0 63.8 66.7 66.7 67. 3500 22.7 66.0 68.8 68.8 69. 22.0 22.7 68.1 71.6 72.3 73. 1500 23.4 72.3 76.6 78.0 78. 1500 23.4 75.9 83.0 83.1 87. 23.4 75.9 83.0 85.1 87.			-			9	. 9	0	0	9	9	0	0	0	9		.9
3500 22.7 65.3 68.1 68.1 68.8 22.7 65.0 68.8 68.8 69.8 22.0 22.7 68.1 71.6 72.3 73.1 1500 23.4 72.3 76.5 78.7 78.7 78.7 78.7 78.7 78.7 78.7 78			00	•	9	-	-	-	-	-		-	-	-	-	-	-
22.7 66.0 68.8 68.8 69.8 59.2300 22.7 68.1 71.6 72.3 73.1 1300 22.7 68.1 71.6 72.3 73.1 1300 23.4 72.3 75.5 76.5 78.7 80.9 81.9 900 23.4 75.9 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0			m		80	8	23	8	8	80		8	8	8	8	8	
2500 22.7 68.1 70.9 71.6 72. 1800 22.7 68.1 71.6 72.3 73. 1500 23.4 72.3 76.6 78.0 78. 1000 23.4 74.5 78.7 80.9 81. 800 23.4 74.5 78.7 80.9 81. 800 23.4 75.9 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0			0	*	00			6	6	6	6		6	6	6	6	0
22.7 68.1 71.6 72.3 73.  1800 22.7 68.1 71.6 72.3 73.  1800 23.4 72.3 76.6 78.0 78.  1000 23.4 74.5 78.7 80.9 81.  23.4 75.9 83.0 85.1 86.  23.4 75.9 83.0 85.1 87.  23.4 75.9 83.0 85.1 87.  23.4 75.9 83.0 85.1 87.  23.4 75.9 83.0 85.1 87.  23.4 75.9 83.0 85.1 87.	1		-	0	-	2	3	2	2.	2	2	2.	2	7	2	2.	2.
1800 22.7 68.1 71.6 72.3 73.1 1000 23.4 72.3 76.6 78.0 78.1 1000 23.4 74.5 78.7 80.9 81.0 82.3 83.0 82.4 85.0 83.0 83.0 83.1 86.2 80.1 85.1 86.2 80.2 23.4 75.9 83.0 85.1 86.2 80.2 23.4 75.9 83.0 85.1 86.2 80.2 23.4 75.9 83.0 85.1 87.2 80.2 23.4 75.9 83.0 85.1 87.2 80.2 23.4 75.9 83.0 85.1 87.2 80.2 23.4 75.9 83.0 85.1 87.2 83.0 83.0 85.1 87.2 83.0 85.1 87.2 83.0 85.1 87.2 83.0 85.1 87.2 83.0 83.0 85.1 87.2 83.0 83.0 83.0 85.1 87.2 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0			-	-	2	3	73.1	3	73.1	3		73.1		3		73.1	73.1
1300 23.4 72.3 76.6 78.0 78.0 78.0 78.0 23.4 74.5 78.7 80.9 81.0 82.4 74.5 78.7 80.9 81.0 82.4 75.9 80.1 82.3 83.0 83.0 83.0 83.0 83.1 87.0 23.4 75.9 83.0 85.1 86.2 23.4 75.9 83.0 85.1 86.2 23.4 75.9 83.0 85.1 87.0 83.0 83.0 85.1 87.0 83.0 83.0 85.1 87.0 83.0 83.0 85.1 87.0 83.0 83.0 85.1 87.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83			-	:	2.	3	3	•	6	3	0	3	3	3.	3	3	73.1
1200 23.4 73.1 77.3 78.7 79.1 79.0 1200 23.4 74.5 78.7 80.9 81.0 82.3 4 75.9 80.1 82.3 83.0 83.0 83.1 86.0 83.0 83.1 87.0 83.1 87.0 83.0 83.1 87.0 83.1 87.0 83.1 87.0 83.1 87.0 83.1 87.0 83.0 83.1 87.0 83.1 87.0 83.1 87.0 83.1 87.0 83.1 87.0 83.1 87.0 83.0 83.1 87.0 83.0 83.1 87.0 83.1 87.0 83.0 83.1 87.0 83.0 83.1 87.0 83.0 83.1 87.0 83.0 83.1 87.0 83.0 83.1 87.0 83.0 83.1 87.0 83.0 83.0 83.1 87.0 83.0 83.0 83.1 87.0 83.0 83.0 83.1 87.0 83.0 83.0 83.1 87.0 83.0 83.0 83.1 87.0 83.0 83.0 83.1 87.0 83.0 83.0 83.1 87.0 83.0 83.0 83.1 87.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83			m	•	œ	3	00		8	8	œ	00	8		8	8	8
1000 23.4 74.5 78.7 80.9 81. 800 23.4 75.2 80.1 82.3 83. 700 23.4 75.9 80.1 82.3 83. 500 23.4 75.9 82.0 85.1 86. 500 23.4 75.9 83.0 85.1 86. 300 23.4 75.9 83.0 85.1 87. 100 23.4 75.9 83.0 85.1 87.			-	:	00	3		0		6	•		6	6	6	6	79.4
23.4 74.5 79.4 81.6 82.8 83.0 23.4 75.9 80.1 82.3 83.0 83.0 23.4 75.9 80.4 83.0 83.0 83.1 86.2 30.2 23.4 75.9 83.0 85.1 86.2 30.2 23.4 75.9 83.0 85.1 87.2 30.2 23.4 75.0 83.0 85.1 87.2 30.2 23.4 75.0 83.0 85.1 87.2 30.2 23.4 75.0 83.0 85.1 87.2 30.2 23.4 75.0 83.0 85.1 87.2 30.2 23.4 75.0 83.0 85.1 87.2 30.2 23.4 75.0 83.0 85.1 87.2 30.2 23.4 75.0 83.0 85.1 87.2 20.2 20.2 20.2 20.2 20.2 20.2 20.2 2			5	00	·	-	-	-	-	-	-	-	=	-	:	-	81.6
23.4 75.2 80.1 82.3 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83			6		-	5	2	3	2	2	2	3	2	2		3	82.3
23.4 75.9 80.9 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0			2	0	3	3	3			3	3	3	6		3	3	83.0
200 23.4 75.9 82.3 84.4 85. 200 23.4 75.9 83.0 85.1 86. 200 23.4 75.9 83.0 85.1 87. 200 23.4 75.9 83.0 85.1 87. 100 23.4 75.9 83.0 85.1 87.			6	0	3	3		10	3.	3	3	3.		*	3	3	83.
200 23.4 75.9 83.0 85.1 86. 200 23.4 75.9 83.0 85.1 86. 200 23.4 75.9 83.0 85.1 87. 100 23.4 75.9 83.0 85.1 87.			0	-	*	2	2	.0	86.5	9	•	•	•	;	•	;	86.5
200 23.4 75.9 83.0 85.1 86. 200 23.4 75.9 83.0 85.1 87. 100 23.4 75.9 83.0 85.1 87.			0	*	5	.0	9	93	8	8			6	6	6	6	89.4
200 23.4 75.9 83.0 85.1 87. 200 23.4 75.9 83.0 85.1 87. 100 23.4 75.9 83.0 85.1 87.			0				9					6		6	6	6	89.4
200 23.4 75.9 83.0 85.1 87. 100 23.4 75.9 83.0 85.1 87.			0				2.18	4.58	89.4	4.68	90.1	1.06	90.1	106	1.06	90.1	90.
0 23.4 75.9 83.0 85.1 87.			•	2		:		:		6	0	0		5	0	0	90.
23.4 79.9 83.0 85.1 87.	_		6.			•	87.2		89.4	6	90.1	106	1006	0		•	N
		23.4		3				6	89.4	6		•		0		:	0001

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0.4 HOURS (1.5.T.) FEB

TOTAL NUMBER OF OBSERVATIONS

...

95.0

6.46 6.46

6.46 6.46

6.46

93.6

92.9 93.6

4.00

90.8

89.4 89.4 89.4 4.68 4.68

86.5

84.4 83.7

81.6

76.6

74.5

39.7 39.7

88

AI AI

94.3

93.6

93.6

6.26

6. 96

91.5

8.06 6.46

90.1

89.4 89.4

85.1 87.9 89.4 89.4 90.1 90.1 90.1 90.8

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

PERCENTAGE FREQUENCY OF OCCURRENCE

73-77

FEB 07

200

HOURS (L S T )

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES	£S)						
(FEET)	5 71	۰ ۱	8 41	AI	e vi	> 2%	2 4	¥1 Y	¥1 Y	-	% Al	*	N X	≥ 5/16	N N	0 11
NO CEILING		50.			3	53.		55.		3	5	55.3	55.3		3	56.0
> 20000	32.6	53.2	53.9	56.0	56.7	5	57.5	58.2	58.5	58.2	58.5	58.2	58.8	58.9	58.9	59.6
		53.		. 9	0	56.		58.		00			58.9		8	59.6
00091 ₹		53		9		56.	-	58							8	29.6
		53.		9		57.		58.		00			6		6	6003
2 12000		54.		57.5	•	58	58.9	59				90.65	0	6009	•	61.0
1		57.		0	-	010		62.		2	2.		-		3	63.8
000		58		-	61.7	61.		63		5				63.8		64.5
		59		2	3	63.		. 49		4				65.3	5	0.99
1 1 1		29		2			•	. 40				64.5		65.3	5	0.99
1		59.		2	3.	63.		. 49		4				65.3	3	0.99
2000		61.		64.5	65.3			99		9		-		67.4	-	68.1
1		62.		5	0	66.	9	67.		-		-			0	68.8
141		63.		9		67.		68		00		68.8				70.2
1		63.		9		67.	00	68.		8					6	70.2
3000		.99		68.8	6	669	0	40.0		10.9	70.0	40.0	71.6	71.6	71.6	72.3
		10.		-		14.	5	75.		5		15.9			0	77.3
2000		70.		5		76.		78.				-			6	80.1
		71.		9		17.	00	79.							0	80.9
1500		73.		8		79	0	81.	81.6			81.6		82.3	82.3	83.0
		73.		8		80.	=	83.	•			-		83.7	3	84.4
1000		73.		0	82.3			85	85.1	85.1		85.1		85.8	85.8	86.5
		74.		0	3.		34.4	85.				85.8	0	86.5		87.2
8	39.7	74.		81.6			85.1	86.5	86.5	87.2			87.9	87.9		88.7
		74.		-	83.7	84.4	85.8	87.	87.2	87.9	87.9	87.9	88.7	58.7	88.7	89.4
3 3						7 / 8		60			0	•	00	, 00	, 00	

TOTAL NUMBER OF OBSERVATIONS

141

94.3100.0

6.46

93.6

93.6

6.46 84.3

92.9 93.6 93.6 94.3

8.06 90.8

8.06 8.06

8.06

86.5

85.8 86.5

63.0 82.3

> 13.2 75.2

39.7

88

AI AI

39.7 39.7

88

AI AI

86.5

85.8

75.2

39.7

80

AI AI

85.8 86.5 35.8

83.0 63.0

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

73-77

10 HOURS (L S T.) FEB

VISIBILITY (STATUTE MILES)	22% 22 21% 21 2% 2% 2% 2% 20 20 20 20 20 20 20 20 20 20 20 20 20	5 64 5 64 3 65 3 65 3 65 3 66 7 66 7 66 7 66 7	3 65.3 66.0 66.0 66.0 66.0 67.4 67.4 67.4 67.4 67.4	65.3 66.0 66.0 66.0 66.0 67.4 67.4 67.4 67.4 67.4	66.0 66.7 66.7 66.7 66.7 68.1 68.1 68.1 68.1 68.	68.1 68.8 68.8 68.8 68.8 70.2 70.2 70.2 70.2 70.2	9.5 70.2 70.2 70.2 70.2 71.6 71.6 71.6 71.6 7	69.5 70.2 70.2 70.2 70.2 71.6 71.6 71.6 71.6 71.6 7	.2 70.9 70.9 70.9 70.9 72.3 72.3 72.	70.2 70.9 70.9 70.9 72.3 72.3 72.3 72.3 72.3 7	71.6 71.6 71.6 71.6 73.1 73.1 7	10.9 71.6 71.6 71.6 73.1 73.1 73.1 73.1 73.1 73.	10.9 71.6	13.8 74.5 74.5 74.5 74.5 75.4 15.4 15.4 15.4 1	75.2 75.2 75.2 75.2 76.6 76.6 76.6 76.6 7	76.6 77.3 77.3 77.3 78.7 78.7 78.7 78.7 78.7	80.9 81.6 81.6 81.6 81.6 83.0 83.0 83.0 83.0	82.3 83.0 83.0 83.0 83.0 84.4 84.4 84.4 84.4	0 02.04 03.00 04.00 04.00 04.04 04.0	2 89.4 90.1 90.1 90.8 90.8 92.2 92.2 92.2 92.2 92.2 9	1 92.2 93.6 93.6 94.3 94.3 95.7 95.7 95.7 95.7 95.7 9	92.9 94.3 94.3 95.0 95.0 96.5 96.5 96.5 96.5	94.3 95.7 95.7 96.5 96.5 97.9 97.9 97.9 97.9 97.9 9	95.0 97.2 97.2 97.9 97.9 99.3 99.3 99.3 99.3	95.0 97.2 97.2 97.9 97.9 99.3 99.3 99.3 99.3 9	95.0 97.9 97.9 98.6 98.6100.0100.0100.0100.0100.0100	7.9 97.9 98.6 98.6100.0100.0100.0100.0100.0100	010.0010.0010.00100.0010.00100.0100.0100.0100.0100	0.0010.0010.00100.0010.00100.0100.0100.0100.0100.01	9 95.0 97.9 97.9 98.6 98.6100.0100.0100.0100.0100.0100.0100.0
S	A1	5.0	0.9	9 0.9	6.7 6	8.8 7	.2 7	.2 7	6.	6.	1 9.	9.	9.	. 5 .	.2 7	7.3 7	1.6 8	3.0 8	9.0	0.89	.3	00	.5	4.9 9	7.9 9	8.610	8.610	8.610	8,610	8.610
(STATUTE MILE	۸۱	65	66.	99	.99	68.	70.	2 70.	9 70.	9 70.	71.	.6 71.	.6 71.	.5 74.	75.	77.	81.	83	90	90	94.	95.	.96	97.	2 97.	96	98.	98.	96	96
VISIBILITY	AI ~	9 6	9 0.9	9 0 9	6.7 6	8.8	0.2 7	0.2 70	0.9 70	0.9 70	1 9.	.6 71	1 9.	.51	-	7.3 7	1.6 8	3.0	0 4	6 1 0	3.6	4.3 9	8 1 . 8	7.2	7.3	4.9 9	4.9 9	1.9	1.9	16 6.46
	1	59.	65.	65.	.99	68	69	69	10.	70.	10.	10.	0	13.	14.	76.	20	00	0 0	0	92	92.	3	95.	95.	95.	95.	0	9 95.0	9 95.0
	AI 4	7 59	69 5	.4 65.	01.	.3	0	0.	.69	.16	.4 70.	-		.2 7	6.	.17	8 9	0	0 4	00	06 4.	.19	1.8 92.	6 %	.5 92.	6 6.	. 5	200	3.5 92.	3.5 92.
	Al	56		62			99		99		6.1	9	0		70	-	-	1	20	00	96	00	88	20	23					9 8
	\$ AI	53.9				61.0	62.4		63.1	63.1	63.6	•	63.6					•	73.8	• •	79.4		•		81.	81.	8	81.	81.	20
	1	51.8 53.	57.5 59.	57.5 59.	58.2 60.	58.9	60.3 62.	60.3 62.	61.0	61.0	61.7	61.7 63.	61.7 63.	64.5 66.	65.3 67.	67.4 69.	70.2 72.	71.6 73.	77. 6 74.	74.9 77	76.6	76.6 80.	77.3 80.	78.0 81.	78.0	78.0	78.0	78.0	78.0	78.0
	٨١	1 33	2 57.5 59.	.2 57.5 59.	9 58.2 60.	9 58.9	.9 60.3 62.	.9 60.3 62.	.6 61.0	.6 61.0	.6 61.7	6 61.7 63.	6 61.7 63.	.0 64.5 66.	0 65.3 67.	.0 67.4 69.	.4 70.2 72.	.1 71.6 73.	77. 6 74.	74.9 77	1 76.6	.1 76.6 80.	77.3 80.	.1 78.0 81.	.1 78.0	1.1 78.0	.1 78.0	.1 78.0	.1 78.0	0

0

0

TOTAL NUMBER OF OBSERVATIONS

141

14.5

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

FORNIA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

FEB BONTH 13

20

	٥	3.1	11.6	11.6	11.6	1.6	3.8	4.5	4.5	5.2	15.2	5.9	15.9	15.9	77.3	80.9	34.4	88.7	11.5	31.5	15.0	96.5	7.2		98.6	98.6	99.3	000	000	000	000	000	000
	7	1 9	9.	9.	9	9	80	2	5	2	.2	6	6.	6	.3	6	4.	2	.5	5	0	5	. 2		9.		.3	010	-	010	000	010	010
	AI	63	7	17	7	=	73	14	74	73	75	15	75	13	7	80	4	8	16	16	95	96	97			28	66	001	001	00	001	001	001
	5/16		1.6	9.1	•	9.1	•	4.5	4.5	•	5.5	6.5	2.9	•	7.3	6.0	4 . 4	3.7	1.5	1 . 5	2.0	6.5	7.2	•	8.6	9.6	•	0.0	0.0	0.0	0.0	0.0	0.0
	AI	9	1 9	1 9	-	9	-	-	5 7	-	2 7	-	7						6							0		10	010	010	010	010	010
	× 11	53.	71.	11.	-	•	3.			5		5.	5.	5.	77.		84.	88	16	-	35.	90	7.		98.			•	00	90.	00	20.0	00
		-	9	9	9	9	00	5	100	2	. 2	6	0	6		6	4	-	3	2	0	5	2	6	0	0	1	10	0	0	0	10	010
	AI AI	63	71	11	2	=	73		14	13	75	15	75	15		90	84	88	91	6	95	96		97	86	86		001	001	001	00	001	00
	*	7.	9.	9.		9.	8				7.				.3		4.		. 5		0.0	•		6.	•	0		0.0	0.0	0.0	0.0	0	0.0
	٨١	63	7	7.	7	F	7	-	74	-	-	-	75	-	-	00	60	88	6	0	95	6	0		0		0	01	001	010	100	001	100
	-	3.	1.6	1.6	1.6		3.8		4.5	5.2	5.2		5.9		7.3	0			1.5	-	5.0	6.5	7.	•	8,6	8	6	ċ	0	0.0	0.0	0.0	0.0
AILES)		1	6 7	6 7	0	9	8 7	5 7	2	2 3	2 7	6	6	6	3 7			7 8	3		60	5 8	5 9	6 6	6 9	6 9	3	010	-	010	010	010	010
(STATUTE MILES)	VI 7	63.	71.	71.	:	=	73.	14.	74.	15.	75.	75.	75.	75.	77.	80.		88	91.	91.	95		97.	. 16	86	86	66	00	00	00	00	00	00
(STA	7.7	-1	9.	9.	9.	9.	8	.5	.2	2	2.	6.	6.	6.		6.	4		S	.2	0	.5	• 5	6.	0	9.	•	10.	0.	0.	0.	.01	0
VISIBILITY	Ā	63	71	11	7	71	73	74	74	75	75	75	75	-	11	80	84	98	16	16	95	96	97	46	98	86	66		100	100	100	100	100
× ×	~		6.0	6.0	6.0	•	3.1	•	3.0		4.5	5.2	5.2		0.0	0.1	3.7	7.9	0.8	•	4.	5.7	•	•	1.9	1.9	8.6	9.3	6.3	9.3	9.3	6.9	9.3
	AI	9	5 7	5 7	2	5 7	1	3 7	3 7	1 7	1 7	8	1	1 0	7	8	3	0	6	6 5	6	3		6	0	5	2	6	0	6	6	6 6	0
	1 2%	62.	69	69	69	69	71.	12.	72.	13.	73.	13.	73.	13.	75.	8	82	90		68	92.		95	95.	96	96	97.	97.	97.	16	97.	67	97.
	6	4.	'n	3	•	3	0		3	7	7.	20	8	20	2.		~	.5	4.	3.	•		0		.5	·c.	~	6	0	6.	•	•	5.
	AI	62	69	69		69	7	72	72	73	73	73	73	73	75	78	28	960	89	89	35	100	95	56	96	96	47	16	16	16	2.6	26	67
	-	0.3	6.7	6.7	6.7	6.7	8.1	8	80	5.8	9.5	0.2	0.2	0.2	1.6	5.5	8.7	3.0	33	5.8	4.6	0.1	8.0	1.5	2.2	2.2	2.9	6.2	5.9	5.9	2.9	5.3	2.9
	AI .	2		9		9	3	0	9	0	0	0	0	0	4	1 6	2	3	8	9	4 80	6 1	6 0	5	0 7	5 2	2	5	0	6	2	5	8
	N AI	57.	63.	63.	63.	63.	65.	99	.99	66.	99		.99	99	67.	70.	74.	78.	80.	80.	84.	-	85.	86.	87.	87.	87	87	87.	87	87.	8	87,
	•	m					-	00	00	8	0	00	æ	20	~	00	~	2	0	0											4		3
	AI					1					63	63	63	63	65	1					30	000	00	Ø	co.	œ	3	20	30	3	84	20	20
	9																														39.7		9.7
-	AI	_		-	1	3	•	~	9	2	~	3		2	2	3	m		-	2	6	m	2	~	m	2	w	-	m	-	m	-	-
S S	(FEET)	EILING	20000	8000	16000	4000	12000	0000	8	8000	2000	0009	2000	4500	9	3500	3000	2500	2000	1800	1500	1200	000	000	8	700	8	200	8	300	300	8	•
2		9	٨١		71		امًا	1	1 1		1 11		1 11	^	1 11		1 11	1	1 11	٨	AI	A	AI	٨	AI	^	IAI	^	IAI	^	1 11	A	IAI

TOTAL NUMBER OF OBSERVATIONS

141

MIRAMAR, CALIFORNIA

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16 FEB

							VISIL	VISIBILITY (STA	(STATUTE MILES)	6						
CEILING (FEET)			1	,	1	1			1 .				1			1
	2		~	-	e Al	2,4	2	2	1	-	. 1	•	2	2	*	0 7
NO CEILING	29.8	51.		55.3	20.1	57.5	58.0	29.6	9.65	29.6	29.6	29.6	000	6009	•	50.3
1× 20000	2	58.	-	3	3	9	80	2		00	•		•			63.6
	3	29	2	*	9		6	0	0	ċ				0	0	70.9
≥ 16000	2.	58.	3	4	;	8	6	0	0	.0				0	0	70.9
	2.	56	3		9	•	6	0	0	0					0	70.9
≥ 12000	3	•09	3.	9		6	.0	-	-	=				2.	2	72.3
1	2	62.	5	00	0	-	3	3.	3.					4.	•	74.5
0006	3	63.	•		0	2		;		4				3		75.2
	4	63.	9	6	-	50	;	5	5	5				3	•	-
7000	;	63.	.9	6	-	-	3	5.	5	5				3	3	75.9
1	*	63	0	6	-		*	5	5	5			2	5	5	78.9
2000	*	63.	9	6	-	3	*	2	3	5			3	3	3	75.9
		54.	-	0	2	3	3	2	5	5			0	.0	9	76.6
1 1		04.	-		2.			2	5	10			9	9		76.6
1	3	66.	20			5	6	-	-	-			20	00	8	78.0
3000		58	2		-					0			-	-	-	81.6
1 00	0	72.	5	8	0	2		*	*	4			2		2	85.1
1 2000	9	78	-	*	•	-	6	0	0	0			0	0		9008
1	9	78.	2	2	7.	8	0	0	0	0			-	-	:	91.5
1500		80	5	-	0	-	2	3	3		•		+	*		64.3
	3	61.	3		0	2			3	3			3	3	2	95.0
171		60	3	6	-	2	4	5	5	100				5	2	95.7
	9	. 18	5	6	-	2.	5	2	50	*			9	9	•	96.5
80	•	81.	3	6	-	3	5	•	.9	9			-	-	-	97.2
	69	81.	2	6	-		3		9	9				-	:	97.2
8	9	82.	9	0	2	*		-	-	-			-	-	1.	97.9
	9	82.		0	7	. 4	-		-	-				6	6	99.3
141	9	82.	9	.0	2	. 4	-	-		-			6	6		99.3
		62	9		2	*	:	2.	2.					.6	6	99,3
700	. 9	32.			92.2	6.46	•	-	1.	-	98.6	•	99.3	•	0000	10000
	0	82		90.1	2.	*	7.							66.3		0
١٨١	0	82.3	86.5	.0	5.	. 4	7.	7	•					66.3		100.0
	١															

TOTAL NUMBER OF OBSERVATIONS

141

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107 STATION

MIRAMAR, CALIFORNIA

FEB HONTH

19 HOURS (LST.)

URRENCE	NS)
ERCENTAGE FREQUENCY OF OCCURRENC	(FROM HOURLY OBSERVATIONS

			7	-		-		.2	2		.5	.2	0.	6.	.6	*	.3		.5	.2		.5	.2	2.	0	9.			2	5	0.	•3	0
	ΛI	69	89	9	89	89	69	20	70	6	74	75	75	75	26	6	82	83	86	8	90			92	66		95	95	97	9		66	100
	× 1	5.3	8.1				9.5		0.2		4.5		5.9	5.9	9.9	4.6	2.3	3.7	6.5	7.2	0.1	1.5	2.2	2.2	3.6	3.6	5.7	5.7	7.2	4.9	1.9	6.6	9.3
		2 6	4	4	4	4	8	5 7	10	1 7	2		2	2 7	1 6	1	9	00		5	4	0		0	0	6	60		•	2	5 2	5 8	2
	≥ 5/16		67.		67.	67.	68.	69			73.				75.	8	81.		85.	86.	89.	0	-	-	2	2.	5		96	97.	•	1	-
	2		*	5.	4		8		S	7	3	.5	2	1	6		0		8	1	4			3			0		i	~		2	
	AI	64	67	0	67	19	89	69	69	73	73	14	75	13	75	78	81		8	86	89	06	6	16	26	36	92	95			41	4	07
	*	6 . 5	4 . 7	\$ 6 /	7 . 4		8.8		9.5	9	80					8.7	1 . 6		5.8											1.2	7.2	1 . 2	1.2
	ΑI		0	9	0	0	9	0	0	-	~	-			7		0	0	8	-	68	8		2		6	6	_	200	0	6 2	6	
	% AI	99	57.	21.6	67.	3	68.	69	69	3.	3.	4		5		00				9	10.6	0	-	-	2			5	•		7.	7.2	7.
		8			<u>-</u>				80	3	-	20	10			0		3	-	00	7	6	8	or or	8	2	6	3	7	3	5	5	2
(S	VI -		99		99			89			7.3	2				18	80		85	85	88		06		92	92.		94	95	96	96	96	
VISIBILITY (STATUTE MILES)	7.	8		•		•		30		.3	7.	•	.5		.2		6.	•	-				80	80		•					.7		
TATUT	ΑI	0		99	99	99	0	68	0	72	73	-	~		~	-	æ	œ	85	20	88	0	0	9	3	0			0	95	95	95	
ITY (S	71:	3	6.7		6.7			8	8.8					*	3	8		2.	3	0	8.7	0	0	0.8	2.5	2.2	4.3	4.3	5.7	5.7	5.7	5.7	5.7
ISIBIL	ΛI	8	7	7 6	7	9 /	9	9	0	3	1		2			0	3			33	7 8	6 7		3	8	0	3	3	0	6	7 9	0	7
	Al			66.	66.	99	68	68.	68.	12	73.	3	74.		75						88	.06	.06	.06	92.	92.	. 46	. 76	93.	95.	98.	95	
	21%	2		. 1			7		æ.		7		S.		2.	0			7.	0		7.			· v		9.	0	·	.0.	•		
	λi	63		9	99	99	68	68	63	12	73		74	14	7.5	78	80	00		0	83	90	00	06	91	2	6	93	76	96	16	7	
	es Al	1.0	4.5	4.5	4.5		0.9	6.7	6.7	0.2	6.0		2.3			5.9	8.7		3.0		6.5		8.7	8.7	9.4	4.6	1.5	1.5	1.5	1.5	1.5	1.5	•
		3 6	1 6	1 6	9 .7	1 6	9	9	6		2	-	2		_	-	3	œ	110	c:		æ	05		æ	8		6		6	2	0	0
	AI	.09	63.	63.		63.	64.	65.		68.	69	0	0			*			81.		85.	86.	-	87.	87.	87.	88	88	83			00	
		3		-		-	7	0	80	-	4						~			-	0	4.	7	7.	7.	7.	20		20	20		0	
	AI .	58										99		99	69	72	75	10		80	8	84	32	83		82	82	23	83	85	85	2	33
	•		•	•																											. 6		-
		55				1		1		ı		1		1		1				1								1			- 1		
	2	23.4	4.	* *	4.	4 .	4.	5.	5.5	0	. 9	100	9.0	9	7.6	7.	7.0	7.	7.0	7.	7.0	3.7:	7.0	7.0	7.0	7.0	7.0	7.0	7.0	1.0	7.0	7.0	
		-	_	_					-	-	~	_	~	7	.4		-	-	-	-	N	-	~	-	~	-	-	7	~	7	~	4	-
CEILING		CEILING	2000	18000	16000	14000	12000	10000	900	8000	2000	9009	2000	4500	400	3500	3000	2500	2000	1800	1500	1200	000	8	80	700	8	200	400	300	30	8	•
₩,	3	ON N	۸۱		۸۱		IAI		AI	٨	IAI	٨	٨١	^	1 11	٨١	٨١	٨١	1 11	٨١	۸ı	Al	AI	٨١	۸I	٨١	۸I	Al	۸I	AI	AI	ΑI	Al
									T																								_

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

E

FEB HONTH

22 HOURS (1.5.7.)

	0	1.0		3.8	3.8	3.6	4.5	4.5	4.5	4.4	7.4	8.1	9.5	9.5	0.2	6.0	2.3	5.9	7.3	8.0	6.0	9.1	3.1	200	5.8	5.8	6.5	8.7	8.7	.0	5 . 3	2:	0.0
	۸۱	9	0	0	0	0	•	0	•	0	0	9	0	0	-	-	-	-	-	-	œ	00	8	8	00		ě	8	8	0	•	0	201
	7	0.3	3.1	3.1	3.1		3.8		3.8		6.7								9.9				4.4	5.1	2:1	5.1	5.8	•	•	0.1	1.5	3.6	3.6
	A1		9	9	9	9	•	0	0		ō	0	0	c	9		-	1	-	-	20	00						œ	00	6	•	0	0
	5/16		3.1		3.1		3.8		3.8		6.7		8.8		9.5				9.9				4.4	3.1	5.1		5.8	•	4.9	0.1	1.5	5.9	2.9
	Al	9	9	0		0	0	0	0	0	0	9	0	9	9		-	-	-	-	30	00	20	20	00	8	0	00	0		0	6	6
	2		3.1		3.1		3.8		3.8		6.7		8.8						9.9				4 . 4	7:5	5.1	5.1	5.8	6.	4.9		1.5	5 . 9	5.9
	ΛI	9	•	9	•		8		•	1		0			9		-		-	-	8	80	œ :					8	00	0	0	6	0
	*	0	3.	3.	3.		3.		3	9			8.8	8	6	0	-	5	9.9		0	0	4 . 4	3.1	2:0		5.6		7.9			0	9.0
	٨١	9	9	0	0		9		0	0	٥	0	0	9	0	-	-	-	7	-	20	20	20	20	20		00	0	00	5	0	0	0
	× N						3.	3	3	0			8	8						-	0	0				2	2	•	1.	•		•	•
		3 6	1 6	9	9	9	8	9	8		9		9	9		2	1 9	-	1 9			8		8	æ	1 8	80	80	80	6	0	6	9
	-	0	-	3.		3	0	6	-	9			8	-	6	0	-	5			0	0	*	5.		3	2		-	•	0	0	0.0
ILES)		_	1 6		9		9		0	9	0		9		5				7		æ		8	20	<b></b>		8	30	8	6	6	6	-
VISIBILITY (STATUTE MILES)	177	0		3		3.			63.1	•	. 0												*	2.	2		•		-	6	0	06	0
STATU	ΛI	3 6	9 1	1 6	1 6		8	1	8		0			_	9	_			7				4	20	8	_	80				6	6	6
ITY (	174		3.	3.	3.	3.		3		9			8	8	6	0		0			•	0				2	3		-	6	•	.06	0
SIBIL	ΛI	9	9		9		0	1	9	9	0		9		0										3		80		00		6 1	8	1 3
>	N Al	0			3.	6	•	-	-			-	.0		6				. 0	2			*	3.	5	3	100	7.	-	6	•	.0	0
		3	9 1	1 6	1		8		9	9			8	9		2	7	2	0			0		2		- CC	80			4	4	3	4
	> 2%	.00	3		3		3	es		66.	.9			68.	6	0	-	5	9		·	0		.51		32		. 1.			•		6
	,	3	-	-	9	-	9		0	-	~				5		9	L	7 9					2	~	8	30	9	3	8	7	8	7
	۳ ۸۱		63.	53.	. 23	63.	63.	63.	63.	0	.99		68.		.69		71.	15.	9	11.		90.					85.		87.		88.	38	88.
		6	~	-	-	-	4	*	4		2		*			9	N	00		0-			3	0	0	0	7	-1	-4	-1	-	-	1
	VI	58.	61.	61.	61.	61.	62.		62.	65.	.55	96	67.		58.	98	70.	13.	13.	75.		8		33.		63	83.		85.	52		85.	33.
		-	5				-		M		7	20	1	-	0	-	-	0	-	0	5	0	~	3	0				0			0	0
	۸I	50.	88.	29.	59.	29.	90	0	09	-	23	573	. 55	-	99	0	58.	-	73.	m	2	0	00	0	90.	30	-	-	33	m	33.	33.	33.
							0	0	0	-	-	3	60	00	-			1		0	-	00		0	O	0			0	0	-		
	۸I		58.																10.					.91	76.	16.	77.	8	78.	.81	78.		78.
		Sec.	9	1	0		0	1	0	0	o	0	0	3	-	-	-	3	4	4	4		0	2	00	00	00	00	30	00	8	30	00
	2	6.1	20.	20.	20.	50.	20.		50.						22.	. 77	22.	23.							54.	54.	54.	. 47	24.	54.	54.	3	54.
		L		F	_	-	_	-	_	-		F		-	_	-		-	_		_	-		_	_	-	-	-	_	-	_	-	-
CEILING	(FI)	HIN	0000	8000	16000	000	12000	900	9006	000	2000	900	2000	1500	4000	2500	3000	2500	2000	800	1500	200	000	8	80	700	8	200	9	38	200	8	•
CEIL	E	9	> 20000		1 11		1 11	1 -	IAI		IVI		I AI	1	IAI	1	IAI		IAI		٨١		ı AI	Al	ΛI	٨	IAI	٨	IAI	A	IAI	AI	AI
		14	_	_	_	_	_	_		_		_		_		_		_		_		_		_		_		_		_			

0

0

0

0

TOTAL NUMBER OF OBSERVATIONS

141

0

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

ALL HOURS (1 S T ) FEB HONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20. 86. 75. 75. 75. 75. 75. 75. 75. 75. 75. 75	CEILING			1				VISI	VISIBILITY (STATUTE MILES)	TUTE MILE	S						
28.4 98.4 98.4 98.4 98.4 99.7 60.0 60.6 60.8 60.8 60.1 60.1 60.1 60.2 60.5 60.8 60.0 60.8 60.1 60.1 60.1 60.2 60.5 60.8 60.0 60.8 60.1 60.1 60.1 60.1 60.1 60.2 60.2 60.2 60.2 60.2 60.2 60.2 60.2	(FEET)	,		1	4.	10000		1018				1334		-		NI NI	O AI
28, 4 88, 4 00, 4 62, 2 63, 6 64, 0 65, 0 65, 0 65, 0 65, 0 65, 5 65, 6	NO CEILING	9	1			6		0	8.09		0	-	-	:	-	-	61.6
28.5 58.6 60.6 62.4 63.8 64.3 65.0 65.3 65.3 65.5 65.5 65.5 65.5 65.5 65.5			58		2	3		*	5	5	30	2	2	2	5	65.7	
10,000   28.   58.   6   6   6   6   6   6   6   6   6		8	30		2	3		3	3		5	5	3	2	2	•	66.1
28.0 55.8 60.7 62.6 64.0 64.5 65.2 66.5 66.5 66.6 66.6 66.6 66.6 66		8	200		2			-	5	2		2	3	2	3.	;	66.1
29. 2 6. 7 99. 5 61. 4 63. 5 65. 6 65. 4 66. 5 66. 5 66. 6 6			58.			*		3	5.		3	2	3.	9		;	66.3
29.1 60.9 62.9 64.9 66.4 66.9 67.1 67.8 68.1 68.1 68.4 68.4 68.4 68.6 68.7 68.9 68.7 68.9 61.1 63.0 65.1 66.6 67.1 67.8 68.1 68.1 68.4 68.4 68.4 68.4 68.4 68.4 68.4 68.4		8	50			5						;		-	67.1	67.2	67.4
29.3 61.1 63.0 65.1 66.6 68.2 68.7 69.4 69.7 69.7 69.7 70.0 70.0 70.2 70.3 70.0 29.9 62.8 64.4 65.4 68.2 68.2 68.7 69.5 70.8 7 70.0 70.0 70.0 70.2 70.3 70.0 29.9 62.8 64.8 64.8 69.8 69.8 69.8 69.8 69.8 69.8 69.8 69	1	6	•09			•		-	6.19			CO					68.8
29, 9 62, 4 64, 4 66, 6 68, 2 68, 7 69, 4 69, 7 69, 7 70, 0 70, 0 70, 0 70, 2 70, 4 70, 0 50, 8 64, 9 66, 7 68, 3 68, 8 69, 8 69, 8 69, 8 70, 0 70, 0 70, 2 70, 3 70, 4 70, 5 70, 5 70, 5 70, 6			61.				67.1	-			8	8	8			*	69.0
7000 29.9 62.8 64.8 64.7 68.3 68.8 69.5 69.8 69.8 69.8 70.0 70.0 70.3 70.4 70.4 70.4 70.4 70.4 70.4 70.4 70.4		6	62.			8	0					0		0		0	
29.9 62.8 64.7 67.0 68.6 69.2 69.9 70.1 70.1 70.4 70.4 70.4 70.7 70.7 70.9 71.2 71.3 7  2000 30.0 63.3 65.3 67.6 69.2 69.7 70.4 70.7 70.7 70.9 70.9 71.2 71.3 7  2000 30.0 63.6 65.5 67.8 70.6 70.9 71.0 70.9 72.0 72.0 72.3 72.5 71.3 7  2000 30.0 63.6 65.5 67.8 70.6 70.9 71.0 70.9 72.0 72.0 72.3 72.5 72.5 72.6 7  2000 30.0 66.5 66.5 70.6 72.9 74.6 73.2 72.0 72.0 72.0 72.8 72.5 72.5 72.6 7  2000 31.2 66.5 70.6 72.9 74.6 73.2 73.2 73.2 73.5 73.5 73.5 73.5 73.8 74.0 74.1 7  2000 31.2 66.5 70.6 72.9 74.6 73.1 75.8 76.1 76.1 76.1 76.3 76.3 76.9 76.0 74.1 7  2000 31.2 66.5 70.6 72.9 74.6 73.8 76.9 81.9 81.9 81.9 81.9 82.2 82.2 82.5 82.5 82.5 82.5 82.5 82.5		6	62.		9		8	6			6	0		0		0	7007
30.0 53.0 65.3 65.3 67.6 69.2 69.7 70.4 70.7 70.7 70.9 71.2 71.2 71.2 71.3 7  30.0 50.0 63.6 65.5 67.6 69.4 70.0 71.7 72.0 72.0 72.0 72.3 72.3 72.3 72.5 72.6 7  30.0 50.0 64.5 66.5 68.8 70.5 71.0 71.7 72.0 72.0 72.0 72.3 72.3 72.5 72.5 72.6 7  30.0 51.6 73.2 75.6 77.8 72.0 72.9 72.0 72.0 72.0 72.0 72.3 72.3 72.5 72.5 72.6 7  30.0 51.6 73.2 75.6 77.8 78.3 50.3 80.9 81.9 81.9 81.9 82.2 82.2 82.5 82.5 82.5 82.5 82.5 82.5	1	6	62.			80	6	6			0	0		0		0	
4500 30.0 63.6 65.5 67.8 69.4 70.0 70.7 72.0 72.0 72.0 72.3 72.3 72.5 72.6 7  4500 30.5 64.5 66.5 68.8 70.5 71.0 71.7 72.0 72.0 72.0 72.3 72.3 72.3 72.5 72.6 7  4500 30.5 64.5 66.5 68.8 70.5 72.0 72.0 72.0 72.0 72.0 72.3 72.3 72.5 72.5 72.6 7  4500 31.2 68.5 70.6 72.9 74.6 75.1 75.8 76.1 76.1 76.1 76.3 76.3 76.3 76.5 77.7 7  4500 31.8 73.8 75.2 75.0 80.9 81.6 82.1 82.5 82.5 82.7 82.7 82.5 82.5 82.5 82.5 82.5 82.5 82.5 82.5		0	63.			6	0		-		0	0				71.4	71.5
300 30.5 64.5 66.5 68.8 70.5 71.0 71.7 72.0 72.0 72.0 72.3 72.3 72.3 72.5 72.6 73.0 30.7 66.1 66.1 68.0 70.3 72.0 72.2 73.5 73.5 73.5 73.5 73.5 72.5 72.6 74.1 73.0 31.2 68.5 70.6 77.8 78.3 78.3 79.3 79.3 79.3 79.3 79.5 79.5 79.5 79.5 79.5 79.5 79.5 79.5		0	63.					0			0	-				-	
3500 30.7 66.1 68.0 70.3 72.0 72.5 73.2 73.5 73.5 73.5 73.5 73.5 73.5 74.0 74.1 7  3500 31.2 68.5 70.6 72.9 74.6 75.1 75.8 76.1 76.1 76.1 76.3 76.3 76.3 76.5 76.7 7  2500 31.8 73.2 75.6 77.8 76.3 70.9 80.9 81.9 81.9 81.9 82.2 82.2 82.2 82.5 82.5 82.5 82.5 82.5		0	64.		80						2	2				72.7	72.9
310.2 66.5 70.6 72.9 74.6 75.1 75.8 76.1 76.1 76.1 76.3 76.3 76.5 77.6 77.8 78.3 79.5 79.3 79.3 79.3 79.3 79.5 79.5 79.9 8 79.9 8 79.9 8 79.9 8 79.9 8 79.9 8 79.9 8 79.9 8 79.9 8 79.9 8 79.2 75.6 78.5 80.9 81.6 81.9 81.9 81.9 82.5 82.2 82.2 82.5 82.5 82.9 82.9 82.9 82.9 82.9 82.9 82.9 82.9		0	66.				2				100	3				*	
2500 31.0 71.1 73.4 76.0 77.8 78.3 79.0 79.3 79.3 79.5 79.5 79.5 79.8 79.9 8  2500 31.0 73.2 75.6 78.3 80.3 80.9 81.6 81.9 81.9 81.9 82.2 82.2 82.5 82.5 82.5 82.5 82.5 82.5		-	68.				5	5			9						77.0
32.3 76.2 75.6 75.5 79.0 80.9 81.6 81.9 81.9 81.9 82.2 82.2 82.5 82.5 82.5 82.5 82.5 82.5		-	711		9		00	6			6	6		6	6	0	80.1
1200 32.1 76.2 79.0 80.9 81.4 82.1 82.5 82.5 82.7 82.7 83.0 83.1 8 1500 32.1 76.2 79.0 82.0 84.1 84.9 85.6 86.0 86.0 86.0 86.3 86.3 86.5 86.6 8 80.5 86.5 8 80.5 86.5 8 80.5 86.6 8 80.0 82.1 76.2 79.0 82.8 82.8 83.1 87.9 88.7 89.0 89.1 89.1 87.1 87.3 87.6 87.7 8 87.6 87.7 8 87.8 87.6 87.1 87.1 87.1 87.1 87.1 87.1 87.3 87.6 87.7 8 80.5 87.8 87.8 87.8 87.8 87.8 87.8 87.8 87		-	73.				0	-	-		-	3	5	7	2.	82.6	
32.3 76.2 79.0 82.0 84.1 84.9 85.6 86.0 86.0 86.0 86.3 86.3 86.5 86.6 87.0 87.1 87.1 87.3 87.8 87.6 87.7 8 1200 32.3 77.9 81.1 84.6 87.1 87.9 88.7 89.0 89.1 89.1 89.4 89.4 89.4 89.6 89.7 8 80.3 32.3 78.8 81.7 85.1 87.9 88.7 89.0 89.1 89.1 89.4 89.4 89.4 89.6 89.7 8 80.3 32.3 78.6 81.9 85.6 88.1 89.0 90.0 90.3 90.4 90.0 90.0 90.3 90.3 90.3 90.3 90.4 90.5 90.6 90.0 90.3 90.3 90.3 90.4 90.5 90.6 90.0 90.3 90.4 90.3 90.4 90.0 91.1 91.4 91.1 91.4 91.1 91.4 91.1 91.8 9 92.3 79.2 83.2 87.2 90.4 91.4 93.3 93.6 93.7 94.1 94.7 95.1 95.1 95.4 95.5 94.9 95.3 95.9 96.0 9 92.3 79.2 83.2 87.2 90.7 91.8 93.6 94.2 94.8 95.2 95.2 95.6 95.7 96.0 92.3 79.2 83.2 87.2 90.8 91.8 93.6 94.2 94.8 95.2 95.9 95.0 95.7 99.0 92.3 79.2 83.2 87.2 90.8 91.8 93.6 94.2 94.8 95.2 95.9 95.0 995.3 95.9 96.0 9	1	-	73.		6		-	2			2	2.	2	3.		83.2	83.3
32.3 78.9 79.8 82.8 65.1 85.9 86.6 87.0 87.1 87.3 87.3 87.5 87.6 87.7 8  32.3 77.9 81.1 84.6 87.1 87.9 88.7 89.0 89.1 89.1 89.4 89.4 89.4 89.6 89.7 8  32.3 78.9 82.2 85.6 88.1 89.0 90.0 90.3 90.4 90.5 90.8 90.8 91.1 91.1 9  32.3 78.9 82.7 86.5 89.4 90.9 91.0 91.1 91.4 91.4 91.1 91.4 91.1 91.8 9  32.3 79.2 83.2 87.2 90.4 91.4 93.3 93.6 93.7 94.1 94.5 94.5 94.8 94.5 94.9 9  32.3 79.2 83.2 87.2 90.4 91.4 93.3 93.6 94.0 94.1 94.7 95.1 95.1 95.4 95.5 95.5 95.5 95.7 9  32.3 79.2 83.2 87.2 90.7 91.8 93.6 94.2 94.8 95.2 95.2 95.5 95.6 95.7 9  32.3 79.2 83.2 87.2 90.7 91.8 93.6 94.2 94.8 95.2 95.3 95.9 96.0 9  32.3 79.2 83.2 87.2 90.7 91.8 93.6 94.2 94.8 95.2 95.9 95.0 95.7 95.0 95.2 95.9 96.0 9		2	76.		2.		*	3	•		9		•				
32.3 77.9 81.1 84.6 87.1 87.9 88.7 89.0 89.1 89.4 89.4 89.4 89.6 89.7 89.0 32.3 77.9 81.1 85.1 87.0 88.4 89.3 89.6 89.7 80.0 90.0 90.0 90.3 90.3 90.0 32.3 78.0 81.9 85.6 88.1 89.0 90.0 90.0 91.1 91.1 91.1 91.1 91.2 32.3 78.7 82.2 85.9 88.6 89.5 90.6 91.0 91.1 91.1 91.1 91.1 91.1 91.1 91.1		2.	76.		2.	5	50			-	-	-		-		87.8	87.9
32.3 78.9 81.7 85.1 87.0 88.4 89.3 89.0 40.0 90.0 90.0 90.3 90.3 99.3 90.3 90.3 9		2	77.		. 4	-	-				6	6	6				
32.3 78.6 81.9 85.6 88.1 89.0 90.0 90.3 90.4 90.5 90.8 90.8 91.1 91.1 91.1 91.2 32.3 78.7 82.2 85.9 88.6 89.5 90.6 91.0 91.1 91.1 91.4 91.4 91.7 91.8 9  32.3 78.9 82.7 86.5 89.4 90.3 91.7 92.0 92.1 92.2 92.5 92.5 92.7 92.8 9  32.3 79.2 83.2 87.2 90.4 91.4 93.3 93.6 93.4 93.6 93.6 93.6 94.1 94.5 94.8 94.1 94.5 94.8 94.1 94.5 94.8 95.2 95.2 95.6 95.7 9  32.3 79.2 83.2 87.2 90.7 91.8 93.6 94.2 94.8 95.2 95.2 95.2 95.6 95.7 9  32.3 79.2 83.2 87.2 90.7 91.8 93.6 94.2 94.8 95.2 95.2 95.6 95.7 9  32.3 79.2 83.2 87.2 90.8 91.8 93.8 94.2 94.9 95.3 95.3 95.9 96.0 9		2	78.		5	-	8	6	6	6	6	0	0			0	9006
32.3       78.7       82.2       85.9       88.6       89.5       90.6       91.0       91.1       91.4       91.4       91.4       91.4       91.4       91.4       91.4       91.7       92.0       92.1       92.5       92.7       92.7       92.7       92.8       92.8       92.7       92.8       92.7       92.8       92.7       92.8		7	78.		5		6	0	0	0	0	0	0	-		-	
32.3 78.9 82.7 86.5 89.4 90.3 91.7 92.0 92.1 92.2 92.5 92.5 92.7 92.8 9 30. 32.3 79.2 83.2 87.2 90.4 91.4 93.3 93.6 93.7 94.1 94.5 94.5 94.8 94.9 9 30. 32.3 79.2 83.2 87.2 90.4 91.4 93.3 93.6 93.7 94.1 94.5 94.5 94.8 94.9 9 30. 32.3 79.2 83.2 87.2 90.7 91.8 93.6 94.0 94.1 94.7 95.1 93.1 95.4 95.5 9 32.3 79.2 83.2 87.2 90.7 91.8 93.8 94.2 94.2 94.8 95.2 95.2 95.6 95.7 9 32.3 79.2 83.2 87.2 90.8 91.8 93.8 94.2 94.2 94.9 95.3 95.3 95.9 96.0 9		2	78.			00	6	0	-:	:	91.1	-	-			=	
300 32.3 79.2 83.2 87.2 90.4 91.4 93.3 93.6 93.7 94.1 94.5 94.8 94.9 9 300 32.3 79.2 83.2 87.2 90.4 91.4 93.3 93.6 93.7 94.1 94.5 94.5 94.8 94.9 9 300 32.3 79.2 83.2 87.2 90.7 91.8 93.6 94.0 94.1 94.7 95.1 95.1 95.4 95.5 9 300 32.3 79.2 83.2 87.2 90.7 91.8 93.8 94.2 94.2 94.8 95.3 95.3 95.9 96.0 9 32.3 79.2 83.2 87.2 90.8 91.8 93.8 94.2 94.2 94.9 95.3 95.3 95.9 96.0 9		2	78.				0	-	2	2.		5	2				
300 32.3 79.2 83.2 87.2 90.4 91.4 93.3 93.6 94.1 94.1 94.5 94.5 94.6 94.9 9 200 32.3 79.2 83.2 87.2 90.7 91.8 93.6 94.0 94.1 94.7 95.1 95.1 95.4 95.5 9 100 32.3 79.2 83.2 87.2 90.8 91.8 93.8 94.2 94.8 95.3 95.3 95.9 96.0 9 32.3 79.2 83.2 87.2 90.8 91.8 93.8 94.2 94.9 95.3 95.3 95.9 96.0 9		7	19.				-	2	5	3.		3	3	*		*	4.46
300 32.3 79.2 83.2 87.2 90.7 91.8 93.6 94.0 94.1 94.7 95.1 95.1 95.4 95.5 9 200 32.3 79.2 83.2 87.2 90.7 91.8 93.7 94.1 94.2 94.8 95.2 95.2 95.6 95.7 9 100 32.3 79.2 83.2 87.2 90.8 91.8 93.8 94.2 94.9 95.3 95.3 95.9 96.0 9		2	79.				-			3		. 4	;			5	95.1
200 32.3 79.2 83.2 87.2 90.7 91.8 93.7 94.1 94.2 94.8 95.2 95.2 95.6 95.7 9 100 32.3 79.2 83.2 87.2 90.8 91.8 93.8 94.2 94.2 94.9 95.3 95.3 95.9 96.0 9		2	19.		87.2			-	*	*		2	3	3		2	95.7
100 32.3 79.2 83.2 87.2 90.8 91.8 93.8 94.2 94.2 94.9 95.3 95.3 95.9 96.0 9		2.	19.		87.2		-			*	*	2		2	3	3	96.1
0 32.3 79.2 83.2 87.2 90.8 91.8 93.8 94.2 94.2 94.9 95.3 95.3 95.9 96.0 9	-	-	19.				1.	33	*	. 5	. 4	2.		2.		6006	
		2	79.		-		-		;	*	*	2		3	•	;	10000

TOTAL NUMBER OF OBSERVATIONS

1128

808

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

73-77

MAR

-

10 10

		. 2	2.	7	5 10	7			. 8		* .	-	4.	.5	4.	. 5		-	.2	-	0	0	.3	.2	. 8	-	8		30	*	0
	Al	34	54	2	55		26	36	56			28	29	40	68				85					46		96	96	96	96	97	100
	2																		1.2										. 8	4.	*
	AI	34	1	1		1	36	20	56	56	5	-		_		-		1	-	-	-			1	96	6	36	36	96	6	97
	3/16		4.2						5.8		-	8.1									0.1						5.8		6.8	4.	7.4
	AI	410	0 4	, 6	, 40	2	3	2	2	2	5	2	5	0	9	-	00	00	00	0	0	3	0	5	5	0	9	8	0	0	5
	2 1	1.4	2.4																5.2											4.	7.4
	^1	200	96 2			1		1	80	1	4	1		1_	4	1		7 8	8	-	6 0	-		5 2	-	-		-	8	_	
	*	. 4	*		35						7	58.						0	3.											•	9
	-	- 2	7			1_	_	_				1_		_		_		1								1				8	20
	14	34	54.	2	32	20.	56.	20.	26.	26.	57.	58	29.	94.	.89	13.	80.	30	85	37.	91.	31.	.76	94.	. 46	96	96.	.96	96	90.	36.
			9 4			2	3			_	80	_				1		1	10			_		1	N	1_		-	~	~	-
- F	Ä	410	53			5		9	56.			27																96	96	96	96
MILE	7.	en m		20	0	~	7.		0	00		7.	4.		.5	9.			2	~	0.	0		10	6.		00	8	80	cro	8
VISIBILITY (STATUTE MILES)	AI	52		300	1 10	24			4		5	20	-	N			0		83		0	0			~	4	3		36	34	94
Y (ST,	2.7	0 0																													
IBILIT	AI	52	1 -	- 1					40	30	55	30	2	62	99	73	18	18	83										40	76	5
V Si	7	6.5						4 . 3			3.5	1.9			3.5		3.7		3.5	2.5					6.3			2	4.2		4.2
	AI	310	en u	u k	1 10	5	in		5	2	S.	3	5	9	0	-	-	-	00	30	Œ	œ	0	6	5	6	0	6	0	CP	0
	21/2	2.3	2:	2 6	3 6		*	4.		*	2	9	-		. 9	3.6	*	00	3.2	5	0	6	0	2.	2.	100	. 4	4.2	. 4	204	4
	AI	30									u	n	2	0	c		-		30	8	00	23	0	2	0	5	2	5	5	0	3
	N Al	9 2	2	20	1 0	4.	*		;	*		0	-	2.	.0			8	3	5	6	5	0	2	2	3	;	5	. 4		*
	-	4 50	20 0		0 0		N	5	(C)		in.	2		9 9	'n			-	23	2		8	0	3	0		m	3 9	3	3	10
	IA I	52.			23	1			54.				57.	62.	. 99	73.	0	8/	83.	85	87.	87.	68	06	91.		92.		92.	92.	92.
	-	00	0 4		10	0	9	~	N	N	0	~	35	7	30	5	~	-4		_	30	**	-	-	-	4	3	0	0	5	0
	AI AI	51.		52		53.						55.			65	2	78	78		84	85	85	87	18	87	88	89	88	88	89	68
1		w 0	0	2	-	0	0	0	0	9.	~			•	2	100		00	F.	0		6	~	00	80	00		100	·		-
	AI	55	2	2 5	32	52	52	53	23	53	24	24	56	0	60	12	16	16	0	82	00	00	8	85	30	0.5	98	86	86	98	8
	9		~																												
	Ā	23	23	2	2	23	23	23	23	2	2	5.3	23	24	24	25	23	25	25	23	25	25	2	23	25	25	25	55	25	23	23
Q	-	CEILING 20000	88	3	88	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	1000	8	800	8	9	8	8	8	200	8	0
CEILIN	(FEET)	CEILIN	18000		1200		000	1	7000		200	45	4000		98	1	2000	1	30	1								1	IAI		
		2 1		1				L								L									_						

TOTAL NUMBER OF OBSERVATIONS

153

8

44.00

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04 HOURS (1.5.T.) MONTH

2

CEILING							VISIA	BILITY (ST.	VISIBILITY (STATUTE MILES)	(5)						
(FEET)	٥ ٨	% AI	\$5 A1	<b>A</b> I	۳ ۸۱	7 2%	7	VI 27	VI 7.	-	% Al	* Al	Z AI	> 5/16	AI	٨١
NO CEILING	00	40.					20		- 6		00			00	48.4	48.4
VI VI 00061 00061	00	2 2			20 cg		0.64	0.64	50	00	00	49.7			00	00
	00	47			4.00	<b>100</b> 000	00		0.0	00	00	49.7		00		49.7
	00	47.		(C) (C)		4 4	00	0.64	00		00	00	00	60	49.7	49.7
VIVI 7000	00	4 4		0.64	00	0.0	00	0.0	00	00	50.3	50.3	50.3	00		50.3
0009 Al Al		4 0		00	00	0 0	0~	0-	0-				-:			51.0
V 1 V 1 4500		52.					Ne		nm		24	24	25	24	24	23
3200	-0	54.		n m	500	m m	9 4	0 4	0 4	9 50	on	20	00	0 0		20
7 7 7 2000	in in	74.		- 0	- 0		Ni	25	Nr.	200	200	78.1	28	200	20	
N 1800	25.8	78.7	81.9	81.9	77.4	81.9	78.1	78.1	78.1	78.7	18.7			83.2		
VI VI 1200 1000	5 5	83		3.	33	m -	*	84.5	4.	10 cc	50 0	50 00	w ==	500	500	
8 8	200	0 m			200		20	200	80	00	60		0 0	60	00	90.3
VIVI 8 %	200	33	88 88 4 4	89.0	00		90.3		00			016			91.0	91.0
VI VI 864	200	8 3			2 3	6.26	m m		99	4 4	94.8	* *	* *	4 4	* *	94.8
88	200	833	89.0		92.9		9 4	93.0	m +		00	9	-0	10		
8°	200	8 8	89.7	92.3	3	93.6	94.2	94.2	3 3	96.1	96.8	96.8	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

155

888

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

HOURS (L S T MAR MONTH 07

3000

91.0 52.9 54.5 52.3 52.9 52.3 52.9 56.1 80.0 97.4100.0 55.5 56.1 58.1 ٨١ 13.6 55.9 21.6 6.06 52.3 19.4 90.3 53.6 53.6 55.5 56.8 57.4 81.9 86.5 6.26 2046 1.96 55.5 1.95 2.46 67.1 57.7 1.68 60.7 ۸۱ 23.6 13.6 19.4 55.5 55.5 57.4 51.6 2.46 52.3 6118 86.5 8.06 52.3 52.3 52.9 53.6 55.5 50.8 67.1 1.68 8006 56.1 87.7 92.3 2076 96.1 60.7 2 5/16 23.6 53.6 55.5 \$7.4 13.6 19.4 90.3 52.3 85.9 90.8 97.4 \$1.6 67.1 32.3 56.1 6.18 86.5 89.7 85.3 2.46 4.16 51.6 51.6 51.6 52.3 34.5 96.1 60.7 87.7 2 ٨J 93.6 51.0 910 51.6 52.3 52.9 52.3 52.9 52.9 52.9 55.5 699 85.8 89.0 9116 93.6 95.5 1.96 12.9 1096 54.8 54.0 54.8 56.8 78.7 1.96 54.8 56.1 0.09 61.3 87.1 89.7 89.0 89.7 89.7 Al 54.0 55.3 54.0 95.9 93.6 1.96 21.0 55.9 72.9 78.7 81.3 85.8 85.8 916 93.0 95.5 31.6 85.8 87.1 87.1 89.0 89.0 51.0 51.6 52.3 52.3 56.8 66.5 66.5 0.09 0.09 1.96 50.1 89.0 89.7 1.96 8.76 92.3 94.8 96.1 % AI 51.6 55.5 72.9 51.6 54.8 81.3 91.0 6.26 94.2 8 4 4 6 78.7 52.3 52.9 54.2 54.2 54.8 56.1 56.8 8.76 55.5 55.5 56.1 VISIBILITY (STATUTE MILES) 51.0 2.45 51.0 29.4 91.6 85.3 24.5 77.4 92.3 24.8 72.3 88.4 92.3 84.5 87.1 87.1 6.06 65.8 80.0 87.1 90.3 ¥ 14 51.0 51.0 51.6 85.8 87.1 56.1 91.0 77.4 50.3 54.5 54.8 59.4 65.8 72.3 87.1 87.1 88.4 8.06 91.6 65.36 52.3 54.2 0.08 84.5 6006 6.36 92.3 52.3 52.3 V 17 21.0 51.6 77.4 6.06 51.0 55.5 29.4 85.8 4.68 6.06 31.0 6.26 92.3 50.3 21.0 54.5 24.0 84.5 92.3 52.3 56.1 87.1 6.76 24.5 80.0 8.59 2.3 87.1 87.1 54.2 AI 51.0 51.6 51.0 55.3 77.4 0.68 52.5 21.0 24.5 29.4 6.21 4.89 52,3 67.1 87.1 4.88 88.4 0.68 21.0 24.5 54.3 56.1 0.09 84.5 80.0 88.4 89.0 50.3 87.1 53.6 54.2 65.0 85. 87. 1 21/2 55.5 58.7 71.6 4061 83.9 85.2 88.4 50.3 52.9 53.6 76.8 46.5 50.3 54.8 65.2 82.0 85.2 86.5 4.88 50.3 51.6 51.0 52.9 53.6 86.5 54.5 87.1 87.7 87.7 87. 49.7 N Ai 53.6 49.0 51.0 51.0 52.9 64.5 50.3 51.0 52.9 54.8 82.6 85.2 51,0 69.0 71.0 81.9 84.5 83.2 86.5 86.5 86.5 86.5 1.64 10.4 58.1 76.1 31.3 83.2 82.6 85.2 83.2 85.8 83.2 86.5 83.2 86.5 86.5 54.3 54.2 18.1 49. ۸۱ 83.2 48.4 4004 0.64 51.0 83.2 83.2 33.2 51.6 52.6 74.2 16.8 1.65 53.6 56.1 48.7 VI VI 50.3 5099 0.64 0.65 76.8 47.1 0.64 71.6 72.9 75.5 76.1 76.8 76.8 16.8 76.8 49.7 16.8 76.8 16.8 16.8 47.7 0.09 76.8 16.8 46.5 47.7 23.5 53.9 29.0 29.0 29.0 23.9 29.0 29.0 23.5 23.5 0.62 29.0 0.62 29.0 23.5 53.9 24.5 29.0 29.0 29.0 29.0 59.0 29.0 23.5 23.5 23.5 53.9 5 . + 2 4.82 27.7 NO CEILING VI VI 8000 16000 12000 80 (FEET) > 20000 9000 2000 200 88 33000 1800 88 200 88 2000 4500 2500 ALAI ALAI AI AI AI AI AI AI 11 14 AI AI AI AI AI AI ALAI

TOTAL NUMBER OF OBSERVATIONS

155

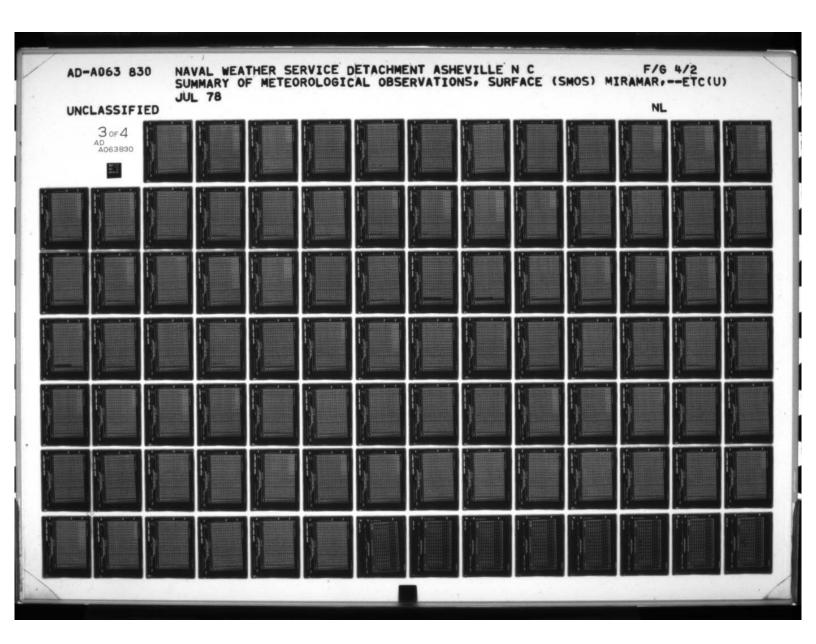
100

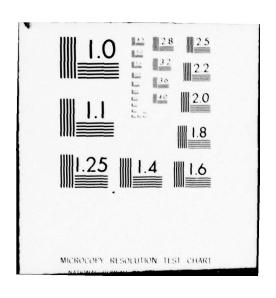
DIRNAVOCEANMET SMOS

0 12235-00181 0

5220

0





NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

NOURS (LST)

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL NUMBER OF OBSERVATIONS

155

1

3

3

DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MAR

13

VISIBILITY (STATUTE MILES)	2 1	0 20.7 45.2 46.5 48.4 49.7 50.3 50.3 50.3 5	6 51.6 52.9 56.1 58.1 58.7 58.7 58.7 5	22.6 51.6 52.9 56.1 58.1 58.7 58.	6 51.6 52.9 56.1 58.1 58.7 58.7 58.7 5	23.2 52.3 53.0 56.8 58.7 59.	2 52.9 54.2 57.4 59.4 60.	23.2 54.2 55.5 58.7 60.7 61.3 61.3 61.	2 54.2 55.5 58.7 60.7 61.	23.2 54.2 55.5 58.7 60.7 61.3 61.3 61.	9 54.8 56.1 59.4 61.3 01.9 61.9	23.9 54.8 56.1 59.4 61.3 01.9 61.9 61.9 6	9 55.5 56.0 60.0 61.9 62.6 62.6	24.5 56.1 57.4 60.7 62.6 63.2 63.2 63.2	2 56.8 58.1 61.3 63.2 63.9 63.9 63.9 6	26.5 59.4 50.7 63.9 65.8 66.5 66.5	0 70.3 71.6 74.8 76.8 77.4 77.4 77.4	32.9 78.7 80.0 83.2 85.2 85.8 85.8 8	2 85.2 87.1 90.3 92.9 93.6 93.6 93.6	34.2 85.2 87.1 90.3 92.9 93.6 93.6 93.6	2 87.1 89.0 92.3 94.8 95.5 98.5 95.5 9	34.2 87.1 89.0 92.9 95.5 96.1 96.1 96.1 9	2 89.0 91.0 95.5 98.1 98.7 98.7 98.7 9	34.2 89.0 91.6 95.5 98.1 98.7 98.7 98.7 9	2 89.0 91.0 95.3 98.1 98.7 9	34.2 89.0 91.0 95.5 98.1 98.7 98.7	2 89.0 92.3 96.1 98.7 99.4 9	34.2 69.0 92.3 96.1 98.7 9	2 89.0 92.3 96.1 98.7 99.4 9	34.2 59.0 92.3 96.1 98.7 99.4 99.4100.01	200 34.2 89.0 92.3 96.1 98.7 99.4 99.4100.0100	2 89.0
AILES)	N	.3 5	7 58.7 58.7	• 7 5	7 58.7 58.7	4 59.4 59.4	0 000 0 000 0	3 61.3 61.3	3 61,3 61,3	61.	6 61.9 61.9	6109 610	2	2 63.2 63.2	3.9 63.	5 66.5 66.5		5.8 85.	3.6 9	13	8 95.5 95.5	6.1 9	8.7	3.7	8.7 9		0100.0010	0100.00100.0010	0100.0010	01	0100.0100.01	0100.0100.010
	Z AI	50.3 50.3	58.7 58.7	58.7 58.7	58.7 58.7	59.4 59.4	0.09 0.09	1.3	6113 6113		6119 6119	61.9 61.9	9.29 9:29	3.5	63:9 63:9	96.5 66.5	77.4 77.4		93.6 93.6	93.6 93.6	95.5 95.5	6.1 9	98.7 98.7	78.7 98.7	98.7 98.7	4 .	00.00100.00	00.0010.00	00.0010.00	00000000	00.0010.00	00.0010.00
	≥ 5/16 ≥ ¼	50.3 50.	58.7 58.		58.7 58.	59.4 59.	00.00	01.3 61.	61.3 61.	61.3 61.	61.9 61.		62.6 62.	3.2 6	63.9 63.	99 5.99			93.6 93.	3.6	95.5 95.	.19	98.7 98.	8.7	98.7 98.	66 5.66	100.0100.	100.001		100.0100.	100.0100.	100.0100.
	٨١	3 50.	7 58.	7 58.	7 58.	4 59.	0 00	3 61.	3 61.	3 61.	9 61.	-	6 62.	2 63.		5 66.	4 77.	8 85.	6 93.	6 93.	5 95.	1 96.	7 98.	7 98.	7 98.	66 4	0100	0100	-	0100	0010	0100

0

TOTAL NUMBER OF OBSERVATIONS

155

=

93107

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16 MAR

CEILING							VIS	BILITY (ST.	VISIBILITY (STATUTE MILES)	£3						
(FEET)	2 1	o Al	\$ 41	AI AI	E AI	2 2%	12	71 72	VI 2.	Ā	AI	*	Z AI	2 5/16	AI N	0 1
NO CEILING	28.4		49.1	51.0	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
200	-	•	:	0	-	0	0			-	•	•-	-			27.00
V V V		24.0	30	200		29.4	• •		30	• •	•	000				000
			:		3	C		0	0	0			6			60.7
1 1 2000		54.8	56.1	57.4	58.7	0			-	-		61,3	:	1.3		61.3
			56.0	58.1	6		-	-	-				:	1.9		61.9
0006		56.1	57.4	58.7	0	-	-	2	2.	2			2.	2.6		62.6
			58.1	29.4	0		3		3	3			3.	3.2		63.2
1 7000		56.8	58.1	59.4	0	~						3		3.2		63.2
1			58.1		0		2.		3.	3.		3		.2		63.2
2000			58.1	29.4		2			3			3		3.2		63.2
1			-	0					3	-			63.9	6.		63.9
141			0.09	61.3	2.	*		•	3	2	65.2			5.2		65.2
1	-				5		-			-						67.7
3000				70.3		73.6		74.2	*					4.2		74.2
1			:	78.1	6		=	-	-	-		81.9	-	6.		
7 2000	-	-		87.1	8	0	0	-	-	-		-	-	1.0		
	-		:				-	2.	2.	2.		92.3	2		92.3	92.3
1500			:	92.3		5	5	96.1		•			•	6.1	1.96	96.1
	-		:	93.6	*				1.	7	97.4	97.4		4.	41.4	97.4
1000			•	84.2	5	1.		48.7	8		98.7		98.7	8.7	98.7	98.7
	-		•	34.2	3				8		98.7	1.86	98.7	8.7	98.7	-
8			:		3	4.4	80		*	8	98.7	98.7	98.7	8.7	98.7	98.7
	38.1		•	34.2	5	4.66	8		8	98.7	1.86	1.86	1.86	98.7	28.7	98.7
8			.:		;			\$.66	6		100.001	100.001		100.001	00.00	
			-:	8.46	1006	1.86	-	4.66		4.66	100.0	0000		100.0	0000	00.00
141			.:	94.8				4.66	4.66		100.0	100.001		100.001	00.00	0000
	38.1	91.0		94.3	1096	98.1	48.7	7.66	•		100.0	0.001	0.001	10000	00.00	0.00
1 200			92.3	94.8	96.1	98.1		3.66	40.66	4.66	100.0	0.001	•	100.001	100.00	0000
91			92.3	8 . 46	1006	1.86	1.86	3.66	•	9.66	10000	0.001	0.001	100.001	0000	0.00
٨١	•	91.0	92.3	94.8	1.96	98.1	1.86	4.66	4.66	9066	10001	0000	0000	100.001	00.00	00.00

0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107

(FEET)

VI VI 0008 0008 0008

2 20000

800 7000

9000

4500

AI AI

3000

AI AI

MIRAMAR, CALIFORNIA

73-77

MAR T S 1) SUNON HONTH 61

E

82.6 610 6119 64.5 0.69 64.5 63.6 66.5 4.16 65.2 65.2 72.9 77.4 87.1 95.5 1.96 96.1 70.3 49.4 67.7 87.7 909 60.7 72.9 0.69 70.3 82.6 4.66 4.66 64.5 4.16 4.66 65.2 1.09 64.5 65.2 66.5 67.7 87.1 95.5 1.96 96.1 98.7 87.7 ≥ 5/16 60.7 95.28 77.4 4.16 64.5 66.5 0.69 87.1 95.5 4.66 6119 6119 67.7 70.3 12.9 96.1 96.1 60.7 60.7 60.7 60.7 87.7 ۸۱ 0.69 9578 63.9 95.5 64.5 70.3 72.9 97.4 40.66 60.7 65.2 67.7 77.4 87.1 1.96 1.96 65.2 66.5 4.66 60.7 64.5 87.7 98.7 6109 6119 72.9 95.5 49.66 66.5 87.1 63.9 64.5 64.5 64.5 64.5 64.5 65.2 0.69 0.69 82.6 82.6 82.6 82.6 4016 4.66 70.3 4.66 64.5 65.2 65.2 67.7 96.1 60.7 7.86 60.7 60.7 1006 87.1 % Al 70.3 72.9 PERCENTAGE FREQUENCY OF OCCURRENCE 4.66 4.66 63.9 65.2 95.5 4.16 4.66 64.5 6007 66.5 66.5 66.5 87.1 96.1 67.7 7.96 60.7 96.1 87.7 ٨I VISIBILITY (STATUTE MILES) (FROM HOURLY OBSERVATIONS) 1.96 4.16 4.66 4.66 70.3 77.4 1.96 65.2 61.9 61.9 67.7 0.69 0.69 72.9 87.1 87.7 95.5 95.5 98.7 60.0 60.0 60.7 60.7 60.7 7 77.4 7.66 196 63.9 70.3 7.66 65.2 4.16 4.66 64.5 64.5 67.7 72.9 87.1 1.96 98.7 60.0 60.7 60.7 87.7 72.9 69.7 70.3 4.66 61.3 61.3 61.9 82.6 6099 1096 4.16 65.2 95.5 1.96 7.86 4.66 87.1 87.7 4.66 67.7 60.0 60.7 7 63.2 86.5 8.46 12.3 95.5 96.8 63.9 63.9 67.1 76.8 95.5 64.5 64.5 64.5 98.1 98.7 6116 6.18 87.1 67.1 98.7 98. 95.5 36.5 63.8 16.8 8.46 95.5 0.09 4.89 69.7 72.3 1.86 60.09 63.2 96.8 98.7 1.86 63.9 1.86 64.5 64.5 67.1 A! 80.08 67.1 8.46 5.56 95.5 0.09 63.2 72.3 4.76 76.8 84.5 86.5 0000 0.09 61.3 61.9 63.9 64.5 66.5 68.4 1.96 1.85 98.1 63.9 65.8 67.7 69.7 98.1 85.2 87.1 1 58.1 58.1 6.19 9.29 74.8 93.6 94.6 93.0 95.5 95.3 1.86 61.3 65.2 10.3 92.9 63.9 95.5 62.0 3.96 69.7 81.3 91.0 91.6 63.9 72.9 92.3 92.3 60.09 61.3 81.9 8006 58.7 61.3 62.6 90.3 92.3 78.1 60.7 60.7 AI 25.8 25.2 25.2 26.5 50.97 29.0 25.2 25.8 26.5 27.1 25.5 5.92 20.5 29.7 29.7 29.7 29.7 29.7 29.7 29.7 29.7 29.7 29.7 NO CEILING

TOTAL NUMBER OF OBSERVATIONS

99.4 99.4 99.4100.0100.0100.0100.0100.0100.01

99.4100.0100.0100.0100.0100.0100.0100.0

4.66

7.96

98.1

95.5

29.7

80

1.86

98.1

95.3

155

118

4.66

4.66

3066

7.66 7.66

4.66

98.7

7.86

98.1

95.5

85.3

29.7

88

88

88

1200

AI AI

2000

88

29.7

29.7 62

88

1.86

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

MIRAMAR, CALIFORNIA STATION NAME

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MAR

22 HOURS (1.5.T.)

	0 1		00			N	20			68.4	-			85.8		94.8	94.0	96.1	98.1		4000	99.4
	AI AI				-		•	32	:	58.5			::		:	:	: ;	96.1				99.4
	2 5/16	00	0.0	0	-	50	20	2	4.5	0.0	-		10	5 00	:	3	: ;	1.96	20	78.7	4.66	4.66
	2 1	* 1	1.8	4.6	0.0	1.9	0.0	6:1	3.9	7.0	6.0	70	4.5	2.5	0.3	4.2	77	-	4.1		-1.	.7
	*	4.6	8.1	4.6	200	1.9	6	0.1	3.9	100	6.0	70		5.5	0.3	2.4	7.5	5.5	40,	1 . 8	80.1	8.7
	*	47	-	7.6	100	1.9	0.0	6.1	3.9	7.7	6.0	30	4.5	2.5	0.3	4.2	4.5	50 50	1.4		41.	
	-	- 10	00 0	6	200	1.9	<u>.</u> .	6.	3.9		6.0	70	4.5	5.2	0.3	4.2	, N		4.4	200	D 00	8 8
TE MILES)	7.	31	-		-	.0.	0.0	.0.	6	70		70		25	- 100	~	22	50 50	4	-		98.1 9
VISIBILITY (STATUTE	% - % - % - % - % - % - % - % - % - % -	31.8	1.	4.6	100	6	0.0	6.1	3.9	7.0	6.0	70		2.5	6.0	2.4	5	5.5	4.		7 7 6	8.1
VISIBIL	71	3 F.	-	- 3	-	- 0	5.0	.0	5	91		20		21	3	6 7.	200	200	4.	6	70	00
	2%	es es	4 4		3.	0 0		0 0	9	00	00		20	0 00	0	0	6	200	6	0 0	0.00	6.8.9
	٨١	7.4.5	4	1	0	00	10	9	0	00	00		20	D 80	0	0	0	200	6	200	000	000
	٨١	-14	3 .	-	3				0	u w	0.0		N	D 10	0	0		0 0	12	7.		
	A1	-3	3	-		-	-		0	0.0	20		N	D 8	0	0	. 7	0.0	N			96 20
	٨١		00 0	5	5 4	00	00	000	9 6		91	7	3 40	20 00	20	0	1 0 1 m	20	6	0	00	00
	۸۱	n -	-		-	. 40	-				3	5		- 7	1 100	m	n m	500 FM	-	4	n 17	
-	AI .	10 26	2	2	+	27	2	+		28	+	+		-	+	+	300	-	+	+		30
CEILING	(FEET)	NO CEILING	VI 18000	contract to the contract of th	12000	VI VI	00 S		8 1 A I	VI VI 86	3300		9 9 1 A I A	VI V		141	8 8 41 41				8 8 AI AI	VI VI 80

155

TOTAL NUMBER OF OBSERVATIONS

9888

SMOS DIRNAVOCEANMET

93107

0

0

0

CEILING VERSUS VISIBILITY

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HAR

CEILING							NIN NIN	(31.	VISIBILITY (STATUTE MILES	â						
(FEET)	2 1	* */	8 41	1	E AI	Y 2%	2 1	VI 7/2	¥1 ¥1	-	X AI	* AI	N N	≥ 5/16	AI	AI
O CEILING				6	6	0	0		0	-	51.1		51.1	1:	:	31.
> 20000			52.1	53.2	53.9	*			54.9	3	55.3	55.3	55.4	5		55.
			2.	3	54.1	-	3		5	5				5	3	55.
2 16000			7.	53.4		*			5	5				2		55.
			7			2	5		5	0	6			0	0	56.
17000			3		55.6		•							1.		57.
1				5	9	0			1		1.			8	8	58.
000			24.4	3.	50.5	-	57.4	57.6	57.6		58.0	58.0	56.1	58.2	58.2	
1			2		-		00		8	100				58.	8	
700			3		1.	-			8	8	00			59.		59.
			2			0	30		20	6	6			59.	6	
000			. 9	-		6			6	6				600	5	
1				00	6	6	0		0	0				61.	-	
141				.6	0	-	-		-	-	-		-	62.	2.	62.
			:	2.	3	243	3		*	. 5	*			040	*	
3000			-	6	0	0			-	-	-		-	71.	:	-
			;	9	-	·			8	80	9			18.		18.
500			0	2.			;		*	*	;			85.	2	85
			:	3	4	*			2	5	2			65.	3	86.
200				-	88.8	6				0				90.		90
				•	0	0			-	-	-			91.		92.
8			6		3	2			3	*	;			94.	;	94.
			6	-	2.					4				94.		94.
8			6	-		5			*	4	5			95.	3	95
			0	2.		4	*			5	3			90.		96
8			0	2	;	*	:		5	9				96.	96.8	96
			0			5	0		0		-			97.	:	97.
8			1.06	3.	3	3	•		•	-				98.	•	98.
1			0	3		5					98.3			98.	98.6	98.
30	30.5	86.8		93.6		96.0	96.8		3.16	61.6		98.5	98.7	98	98.8	66
8 4			1.06	3.	42.4	9		97.2		1.	98.0	986		•	0.66	66
																1

0

TOTAL NUMBER OF OBSERVATIONS

1240

188

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107

MIRAMAR, CALIFORNIA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10 mount APR

=

CEILING							VIS	IBILITY (ST.	VISIBILITY (STATUTE MILES)	(\$)						
(FEET)	2 1	AI AI	8	1	1	2 2%	2 2	¥1 ¥	7 41	- AI	N AI	*	N 2	2 5/16	N Al	0 Al
O CEILING	Ė			46.1	46.1	46.	46.7	40.1			46.1	46.1	46.7	46.7	46.7	99
> 20000	11:	0.94		46.7	46.7	46.7	46.7	40.7		46.7	46.7	46.7	46.7	46.7	46.7	+6.
> 18000	11.	•		46.7	46.7	46.7		40.7				46.7	46.7	46.7	46.7	46.
2 16000				46.7	46.7	46.7	46.7	46.7		46.7	46.7	46.7	40.7	46.7	46.7	46.
				46.7	40.1		40.	40.1				40.1			46.7	46.
7 12000	11.3	46.7	47.3	47.3	47.3	47.3	47.3	47.3		47.3	47.3	47.3	47.3	47.3	47.3	47.3
			0	48.0			48.					•				48.
000				48.0	48.0	20.84	48.								48.0	48.0
1			6	66.3			*64							6		49.
7000			6	€ 6 6 3	6		49.					6		6	49.3	49.3
1	12.0		6	49.3	6		.65			6				6		
2000	12.0		0	20.0	0		10			0				0		500
1	12.7		7	52.0	7		520	7		20				2		52.
900	13.3	52.7	3.	53.3	53.3	53.3	53.	53.3				53.3			53.3	53.
	14.7		;	54.1	4		54.	;		3						54.
300	14.7		2.	62.0	2	~	62.			2			2	2		62.0
1	14.7		9	0.99			99							9		0.99
7 2000	16.0		*	15.3	5	5	75.	5		5			2	3		75.
	17.3		9	16.1	9		16.							9		16.
1300	17.3				~	~	81.			-				-		81.
	17.3	80.7	2.	83.3			83.	3.						3		83.
000	17.3	3.	3	86.0		0	86.	•						9		86.
		84.0	9	86.7	•	199	86.				86.7	86.7	86.7	9		86.
8	17.3		-	68.7	8	00	88	8					8			88.
				0	0		06				0		0	0		90.
8			6	91.3	:	~	91.	:		-	-	6163		-	:	91.
			ò		*		94.	•		*	*			;		94.
8				95.3		0	96			97.3		97.3	7.	97.3	97.3	97.
			0	95.3	2		96				-	97.3				97.
38	-	85.3	90.7	95.3	0		97.3	97.3	97.3		8		98.0	98.0	8	98.
8				95.3		1006	.16	•		98.0	0.86	0.86		98.0	0.86	98.
					-	-					9	. 4		0	4	00

TOTAL NUMBER OF OBSERVATIONS

150

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

90 90 APR

CEILING							VISIN	BILITY (STA	VISIBILITY (STATUTE MILES)	S)						
(FEET)	5	9 11	50	7	8 1	> 21/4	7 41	71 %1	¥1 VI	-	AI	*	2 11	≥ 5/16	21	0 11
NO CEILING		45.0	-	43.6	45.6	45.0	45.6			45.6	45.6			45.6	45.6	45.6
≥ 20000		45.6	45.6	46.3	46.3	6.94	46.3			46.3	46.3	46.3		46.3	46.3	46.3
	2		5	46.3	46.3							46.3		46.3		46.3
14000	12.1	45.6	45.6	46.3	46.3	46.3		46.3		46.3		46.3		46.3		46.3
		45.	5	46.3	40.3							40.3		46.3		46.3
7 12000	12.1	45.	45.6	46.3	46.3	46.3	46.3	46.3	46.3		46.3	46.3			46.3	46.3
		.04	40.3	0.14			:					47.0				47.0
000	12.1	46.3	46.3	47.0	47.0	47.0	-	47.0	47.0	47.0	47.0	47.0	47.0			47.0
1		4	41.1	68.3	48.3							48.3				48.3
141	12.1	47.7	47.7	48.3	48.3		48.3		48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
1		47.	41.1	48.3			. 8				0	48.3	48.3	8		48.3
2006		49	1.65	50.3	50.3	50.3	50.3			50.3	50.3	50.3	50.3	50.3	50.3	50.3
1		50.	50.3	51.0	-		1		:		51.0	-	51.0	:		51.0
141		53.	53.7	24.4	34.4			34.4	;	•	54.4		34.4	;	54.4	54.4
		55.	0	57.1	-		:						57.1		-	57.1
3000			61.7	62.4	62.4		2	62.4	4.29	62.4	62.4	4.29	4.79	4.29	62.4	62.4
1		63.	3	65.1				2			1.59		1.50			
7 2000		69	8.69	71.1			-					71.1	71.1	-	:	71.1
		11.	-	13.2	3.			3.			73.2		13.2	-		73.2
1300		75.	0	77.9	-		-					77.9	77.9	-	-	77.9
		18.	-	80.5	0		0	0			80.5	0	80.5	ċ		80.5
1 11		81.	34.6	85.9	3		3	2				85.9	9	2	3	85.9
		61.	3	85.9	3		:				85.9	85.9	85.9		85.9	85.9
8		81.	5	87.9	-		:				1.	87.9	87.9	-	61.9	87.9
		61.	9008	88.6	89.3		6	89.3				89.3	89.3	69.3	89.3	89.3
8		81.	;	88.5	6		0					89.3	89.3	6		
1		61.	87.9	6.68			-			91.3	61.3	6116	=	•	0.26	92.0
8		81.	87.9	89.9	~		0.26	0.26	92.0	2	5	95.6	95.6	2.	93.3	93.3
		81.	87.9	60.68			6.86			•		*		. 5	62.3	95.3
38	18.1	81.9	87.9	80.0	92.0	95.6	0.56	0.46	0.46	98.3	0.96	60.0	0.96	0.96	90.06	96.6
		81.	87.9	668	92.0	95.6	0.56	0.96	0.46	95.3		9		9	61.3	98.0
١٨١		81.	87.9			95.6	0.56	0.46		95.3		•			97.3	100.0

0

TOTAL NUMBER OF OBSERVATIONS

149

-

DIRNAVOCEANMET SMOS

88.

86.0 86.0 86.0 86.7 86.7 86.7 88.0 88.0 88.0

87.3 88.0 88.0 89.3

92.0

92.0

0.26

92.7 92.7

91.3 92.7

61.3

7.06

89.3 89.3 89.3

69.3

76.0 80.7 84.0 84.7 66.0 76.7 82.0 86.0 87.3 88.7 77.3 82.7 86.7 88.0 89.3

21.3

21.3

88

90.0 90.1

88.7 88.7 88.7

84.7 86.0

80.7

16.0

21.3

21.3

88

MIM

92.7 7.96

61.3 91.3

89.3 90.7

88.0 89.3 89.3 89.3

90.0 91.3 91.3 91.3 92.7

93.3 93.3 93.3

92.7

91.3 91.3

93.3

93.3

92.7

91.3

61.6 91.3

91.3 6.16

88.7 88.7

6163

88.7

0.06

88.7

86.7

82.7

77.3

21.3

21.3

80

91.3

0.06

86.7 86.7

82.7

21.3

82.7

77.3

21.3

88

88.7

82.7 85.7

77.3

86.7

82.7

21.3 21.3

88

94.7

89.3 89.3

# CEILING VERSUS VISIBILITY

2

-07 HOURS (1 S T

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

PERCENTAGE FREQUENCY OF OCCURRENCE

MIRAMAR, CALIFORNIA

93107

(FROM HOURLY OBSERVATIONS)

NO CEILING ≥ 20000

VI VI 00091 00091

V 1 V

VI VI 800 800 800

0

7000

900

4500

AI AI

3000

2000

AI AI

1500

AI AI

900

AI AI

CEILING (FEET)

		F	•	2	6	100	0	F	-	3	3	3	-	0	0	F	2	F	3	0	-	0	-
	AI	*0	45.	45.	45.	45.	46.	40.	40.	*	47.	41.	48.	50.	52.	56.	59.	68	71.	14.	78.	82.	88.
	× AI	0.0	4.7	1.4	4.7	1.4	5.3	0.95	0.94	40.1	46.7	40.1	0.8	6.6	1.3	0.9			1.0	3.3	8.0	1.3	0.8
		4 0	4	4	4	4	3	4 0	4	4	7	3	4	3 4	3 5	0 5	7 5	9 0	7 7	3 7	10	3	0
	2 5/16	40.	**	44.	**	44.	45	46.	•	40.	40.	40.	48.	64	51.	56.	58.	68.	10.	13.	18	8	88
	Z Al	0.04	44.7	1.55	44.7	1:59	45.3	0.04	40.0	40.1	46.7	40.1	48.0	49.3	51.3	20.0	58.7	0.99	70.7	13.3	0.81	81.3	88.0
	* Al	38.7	43.3	43.3	43.3	43.3	44.0	44.	1.55	45.3	45.3	4543	46.7	48.0	20.0	24.1	57.3	1099	69.3	12.0	•	80.0	86.7
	₹ Al	38.1	43.3	43.3	43.3	43.3	0.45	44.	44.7	45.3	45.3	45.3	40.7	0.84	20.0	24.1	57.3	1099	69.3	72.0	76.7	80.0	86.7
(S	- Al	38.7	43.3	43.3	43.3	43.3	0.44	44.1	44.7	48.3	45.3	45.3	46.7	48.0	20.0	24.7	57.3	66.7	69.3	72.0	76.7	80.0	86.7
VISIBILITY (STATUTE MILES)	¥1 ¥	38.0	42.7	45.7	45.7	42.7	43.3	0.44	0.44	44.7	1094	44.7	0.94	61.3	6.64	0.46	20.7	0.99	68.7	11.3	76.0	19.3	86.0
ILITY (STA	¥1 ¥	38.0	42.7	42.7	45.7	45.1	43.3	0.44	0.44	1.44	44.7	1.44	0.95	61.3	6.64	24.0	20.7	0.99	68.7	71.3	16.0	79.3	86.0
VISIB	7 7	38.0	42.7	15.7	1.2.1	15.7	43.3	0.44	0.44	1000	1.44	1044	40.0	47.3	6.64	0.40	20.1		7.89	1.3	16.0	6.61	0.98
	2 2%	38.0	15.7	15.	12.7	. 5.1		0.4	0.44	1.4.	1.44		0.94	6.	6.6	0.40	26.7	0	68.7	6.11	0.91	6.6/	0.98
	۳ ۸۱	37.3	, 0.24	15.0	15.0	45.0	42.7	43.3	43.3	44.0	0.44	0.44	45.3	1000	18.7	53.3	26.0	5.3	•	100	15.3	0.8	84.7
	7 1	37.3	42.0	42.0	42.0	0.24	42.7	63.3	43.3	44.0	0.44	0.54	45.3	46.1	48.7	53.3	26.0	65.3	0	1001	75.3	6.11	84.0
	<b>S</b> Al	36.0	40.T	40.1	40.7	40.1	41.3	45.0	45.0		42.7	42.1	0.44		47.3	0.75	24.7	6.50	0.99	1.89	73.3		80.7
	<b>9</b>	35.3	0	o	0	0				0	0	0	~	-		1	0	0		~	m	0	0
	01 7		18.7	0.1					18.7							-	0				m	*	*
		1		_		_		_		_		_		_		-				_		_	

TOTAL NUMBER OF OBSERVATIONS

150

97.3100.0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

APR

10

CEILING							2		TOTAL COLUMN WITES	(2)						
(FEET)	0 1	9	۶۰ ۸۱	4	K 41	≥ 2%	1 S	VI %1	VI VI	- AI	۸I	*	N N	≥ 5/16	AI	AI
NO CEILING		38.7	45.3		8	0.84	48.0		8	48.0	48	0.84	48	0 48.	0.84	48
¥ 20000	*	42.7	50.0	52.0	53.3	53.3	53.3		53.3	3	53.	53.3		53.	53.3	53
V 18000	;	42.7	50.0	52.0	3		3		3.	53.	53.	53.3		53.	53.3	53.
14000	14.7	42.7	20.0	52.0	53.3	53.3	53.3	53.3	53.3	53.3	53.	53.3	53.	53.	3 53.3	53.
	*	42.1	20.0	52.0	53.3		3.		3.		53.	2		53.	53.3	53.
1200	14.7	42.7	50.0	52.0	3	53.3	53.3	53.3		53,3		53.3			5	53.
			50.0	52.0	3.		3	53.3	3		53.	~		33.	53.	53.
8	14.7	42.7	50.0	52.0	53.3	53.3	53.3	53.3	53.3	53.3	53.	53,3		53.		53.
	15.3		20.1			24.0	*			4	54	•	54.	54.	54.	54.
700		43.3	50.7	52.7	;	•	4	24.0	;	54.0	54.	54.	54.	0 54.0	54.	54.
1			50.1				0000		*		54.	54.	54.	54.	54.	54.
2000	15,3		50.7	52.7	54.0	24.0	;	54.0		54.0		S	54.	0 54.0	50	54.
1			51.3	53.3	\$	54.7	24.7	24.1	54.7	54.	54.	54.	-	1 54.	:	
900			52.7	54.7	26.0	26.0	96.0		26.0	56.0		S.	56.0		0 56.0	\$6.
	18.0		57.3	59.3	1.09			60.1	60.7	0		609	.09		60.	60.
3000			65.3	67.3	2.89	68.7	68.7	68.7	68.7	•	0	68.7	68.	1 68.	68.7	.89
			75.3		78.7	78.7	78.7	78.7	2	78.7	78.	78.7	18.		78.7	
7 2000			83.3	85.3	86.7		0	86.7		86.7	86.7		86.		86.7	86.
			34.0				88.0	88.0	8			88.0	88.	88.0	mC .	
1500	22.7	_	88.7	91.3	-	1.26	7.26	92.7		2	92.7		92.		92.7	92.
		-	88.7		5		3	1.96	;		94.	94.	96		94.7	94.
000			0.06	92.7			1.	•	2	•		97.3	-		1 97.3	97.
		_	0.06	92.7			61.3	97.3	97.3	97.3	97.	97.	97.	97.		97.
8		-	0.06	92.7	0	97.3	98.71	100.00	100.00	10000	-	-	100	-	100.0	100
	22.7	-	0006	1.26	1.96	97.3	98.71		00001	0	100	100	100	0100.0	100.0	100
8	22.7	-	90.0	92.7		97.3			100.00	10000	100.0	-	100	2	100	100
	-	-	0.06	1.26			98.71	00.001	0	100.0	100.0		100	0100.0	100.0	100
8		-	0.06	92.7	1.96	81.3		100.00	0	1000	100.0	10000	100	-	100.0	100
	25.7	-	:	1.26	1.96	97.3	98.71	100.001		1000		-	•	-	100.0	100
700		-	0.06	92.7	1.96	97.3		100.001		100.0	100.0	_		-		
8	7.22	61.	0.06	92.7	90.7	97.3	98.71	00.001	0.001	1000		1000	0	0100.0	100.0	100
		•		1												

150

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13 APR

CEILING							VISI	IBILITY (ST.	VISIBILITY (STATUTE MILES)	£5)						
(FEET)	N 20	o Al	\$ AI	Al	N N	2 2%	1 A	V 1%	AI NI	ÃI	% Al	# Al	Z AI	≥ 5/16	AI	0 11
NO CEILING		56.	1.09	60.	61.3	62.0	62.0	0.39	62.0	62.0	62.0	0.29	0.29	0.29	62.0	62.0
7 20000		09	64.7	65.3		66.7		66.7	66.7	66.7	.99		66.7	66.7	66.7	66.7
		00	64.1	5		66.7				9	0	66.7	66.7		66.7	66.7
14000		09	64.7	65.3	0	1.99	1.99	66.7			66.7	66.7	66.7	66.7	66.7	66.7
		600	65.3	66.0		67.3			67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
17000	19.3	60.7	65.3	66.0	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
		00	65.3	0.99	0	67.3	67.3	67.3	67.3	67.3	61.3	67.3	67.3	67.3	67.3	67.3
800		09	65.3	0.99	9	67.3	-		67.3	67.3	67.3	67,3	67.3	67.3	67.3	67.3
		62.		67.3	68.0	68.7	68.7	68.7		68.7	9	68.7	68.7	68.7	68.7	68.7
700		62.		67.3	0.89	68.7		68.7		68.7	68.7	68.7	68.7	68.7	68.7	68.7
1		62.		67.3		68.			68.7	80	9	68.7	66.7	68.7	68.7	68.7
2000		62.		67.3		48.7	58.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
1		62.	-	68.0				69.3	69.3	69.3	1_	69.3	69.3	69.3	69.3	69.3
141		649		70.0	70.7	71.3	71.3	71,3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
		60	0	71.3	72.0	12.1		72.7	72.7	72.7	72.7	1201	72.1	72.7	72.7	72.7
3000		72.		77.3	78.0		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
1		81.		87.3	88.0	80		88.7		8	88.7	88.7	86.7	88.7	86.7	88.7
7000		60		96.7	-	0	98.0				98.0	98.0	98.0	0.86	98.0	98.0
		89.	9	1.96	-	98.0	0.86	0.86	0.86	98.0	98.0	98.0	98.0	98.0	0.86	98.0
1500		90		97.3		00					98.7	98.7	98.7	98.7	7.86	98.7
		90		97.3	98.0	98.7	68.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1000		80		97.3		98.7	7.86	8	1.86	98.7	98.7	98,7	98.7	98.7	98.7	98.7
		30.	1.96	97.3	98.7	66.3	66.3	0.001			100.0	100.0	100.0	100.0	100.001	0000
8		606	1.96	97.3	7.86	66.3	66.3	0	100.0	10000	100.0	10000	100.0	0	100.001	0000
		90	1.06	97.3	98.1	66.3	66.3	0	00	0	100.0	100.0	100.0		100.001	0000
8		90.	1.96	61.3	98.7	66.3	6.66		100.001		100.0	100.0	100.0	0	100.001	0000
		90.	1.06	6.16	98.1	66.3	6.66	100.0	100.0	10000	100.0		100.0	0	100.001	0000
8		90.	1.96	8.16	98.7	66.3	66.3	100.00		0	100.0	100.0	100.0	10	100.001	0000
		90	1.06	97.3	98.1	66.3	2066	100.0	100.0	100.0	100.0	100.0		100	100.001	0000
8		90.	1.96	97.3	7.86	66	66.3	100.0	100.0	10000	100.0	100.0	100.0	0	100.0	0.001
		90.	1.96	616	1.96	66.3	66.3	0.001	100.0	00001	100.0	100.0	0.001	100.0	100.001	0000
0		90.	1.96	97.3	98.7	66.3	66.3	100.001	100.001	100.0	100.0	100.0	100.0	100.0	100.0	00.00

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16 HOURS (1.5.T.) APR

VISIBILITY (STATUTE MILES)	2% ≥ 2 ≥ 1% ≥	8.7 68.7 68.7	7.07 70.7	1.3 71.3 71.3	71.	0.	72.7 72.7 72.7	73.3 73.	.3 73.3 73.	.3 73.3 73.	4.0 74.0 74.	1 74.7 7	6.0 76.0 76.	10.9/ 0.	6.7 76.7 76.	.3 77.3 77.	84.0 84.	88.78	.3	3.3 93.3 93	7 96 7	7.3 97.3 98	.3 9	8.0 98.0 99	017.89 0.	.0 98.71	.0 98.71		8.0 98.7100.	8.0 98.7100	8.0 98.7100
(STATUT		-	-	3	3	0	-		5.4		-					1000	-			-						-	-			-	
E MILE	71.	68.7	70.7	71.3	11.3	72.0	72.7	73.3	3 73.3	73.	0.41 0	1 74.7	0.91 0	0.91 0	-	5 77.3	30	7 88.7	3 93.3	3 93.3	6	0 86 0	.86	•	0100.01	0100.01	-	0100.01	0.0010	0100.01	0.0010
(5)	N - N	68.7 68.	70.7 70.	71.3 71.	-	72.0 72.0	-	,3 73.	73.	.3 73.	74.0 74.0	14.	.0 76.	00	76.7 76.	7.3 77.	4.0 8	8.78	3,3 9	93.3 93.	7.3 97.	98.0 98.0	.86 0.	6		-	01	100.0100.001	100.0100.001	100.0100.0	0010.001
	* Al	68.7 6	70.7	11.3	11.3	0.27	72,7	3 73.3	3 73.3 7	3 73.3	74.0		76.0 7		76.7			88.7	93.3	3 9303 9	97.3	98.0	0 98.0		0	0	0.	100.0010	100.0010	100,0010	100.0010
	≥ ¼ ≥ 5/16	8.7 68.7	7.07 7.0	1,3 71,3	1.3 71.3	2.0 72.0	2.7 72.7	3,3 19,3	3.3 73.3	3,3 73,3	4.0 74.0	4.7 14.7	.0 76.	0.	6.7 76.7	1.3 77.3	0	8.7 88.7		3.3 93.3	3	8.0 98.0	.0 98		.0100	.010	.0100.	00.00100.00	0.0010.00	00.00100.00	00.0100.00
	AI	68.7	70.7	71.3	71.3	72.0	72.7	73.3	73.3	73.3	74.0	74.7		16.0	76.7	7.3	0.4	80.7	93.3	93.3 9	7.3	96 0.96	8.0	99.3 99	0.0	-	100.0100	100.001	100.001	100.0100	0010-001

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

MIRAMAR, CALIFORNIA

93107

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19 NOUNS (187) APR

100

	٨١	95	99	99	99	99	99	67.	67	9	67	6	69	69	7:	72.	9	29	84	85	0	96	97.	98	98	98	98	66	001	001	00	0	8
	M Al	0.79	0.99	0.99	0.99	0.99	2.99	67.3	67.3	61.3	67.3	67.3	69.3	69.3	71.3	72.7	16.0	79.3	84.0	85.3	40.1	0.46	61.3	0.86	98.7	18.1	98.7	66.3	100.00	0.001	0000	0.00	00100.0010.
	≥ 5/16	0.79	0.99	0.99	0.99	0.99	66.7	67.3	67.3	67.3	67.3	67.3	69.3	69.3	71.3	72.7	16.0	19.3	84.0	85.3	1006	0.46	97.3	0.86	98.7	18.1	98.7	86.3	00.00	10.00	00.00	00.00	0100.01
	S.	0.29	0.09	0.99	0.09	0.09	66.7	61,3	61.3	61,3	67.3	61,3	69.3	69.3	71.3	72.7	16.0	19.3	84.0	85.3	40.4	0. 46	97.3	0.86	98.7	1.86	18.1	6.56	00	0.001	00.00	0.00	000
	*	0.29	0.99	0.99	0.99	0.99	2.99	67,3	67.3	61.3	67.3	61,3	69.3	69.3	71.3	72.7	16.0	19.3	84.0	85.3	106	0.46	97.3	98.0	98.7	186	98.7	88.3	100.001	1000	100.001	0.001	5.001
	AI	0.29	0.99	0.99	0.99	0.99	66.7	61.3	67.3	61,3	67.3	61.3	69.3	69.3	71.3	72.7	76.0	79.3	84.0	85.3	1.06	0.46		0.86	98.7	186	98.7	66.3	100.001	100.0	100.0	0.001	.0100-0100-0100-0100-
ES	Ā	62.0	0.99	0.99	0.99	0.99	66.7	67.3	67.3	67,3	67,3	67,3	69.3	69.3	71.3	72.7		79.3	84.0	85.3	90.7	1	97.3	98.0	98.7	98.7	98.7	66.3	100.0	10000	0100.0	100.0	1000
VISIBILITY (STATUTE MILES)	¥1 ¥	62.0	0.99	0.99	0.99	0.99	66.7	67.3	67.3	67.3	67.3	67.3	69.3	69.3	71.3	1	76.0	79.3	84.0	85.3	90.7	0. 46	97.3	98.0	7.86	1.86	98.7	66.66	100.0	10000	100.0	100.0	0.001
IBILITY (ST	7 7	0.29	0.99	0.99	0.99	0.99	66.7	67.3	67.3	61.3	67.3	61.3	69.3	69.3	71.3	72.7	76.0	79.3	84.0		1.06	96	97.3	0.86	98.7	98.7	98.7	66.3	100.0	100.0	100.0	100.0	3.00.0
VIS	~ ^I	62.0	0.99	66.0	96.0	0.99	66.7	67.3	67.3	67.3	67.3	67.3	69.3	69.3	71.3	72.7	76.0	79.3	34.0		2006		97.3	0.86	98.7	68.7	98.7	98.7	99.3	66.3	99.3		29.3
	2 2%	61.3	65.3	65.3	65.3	65.3	66.0	66.7	66.7	000	66.7	66.1	68.7	68.	70.7		75.3	18.	83.3	84.	0.06	93,3	0.96	96.7	97.3	97.3	97.3	97.3	98.0	98.0	98.0	0.86	78.0
	6 VI	61.3	65.3	65.3	65.3	65.3	66.0	66.7	66.7	66.7	66.7	66.7	68.7	68.7	70.7	72.0	75.3	78.7		84.7	90.0	93.3		40.7	97.3	97.3	97.3	97.3	97.3	61.3	97.3	6.76	41.03
	4	61.3	65.3	65.3	65.3	65.3	0.99	66.7	66.7	66.7	66.7	66.7	68.7	68.7	70.7	72.0	75.3	78.7	83.3	84.7	0.06	93,3	96.0	1.96	97.3	97.3	97.3	97.3	97.3	61.6	97.3	97.3	71.03
	\$ 1	0.09	64.0	64.0	0.49	0.49	64.7	65.3	65,3	65.3	65.3	65.3	67.3	67.3	69.3	1001	74.0	77.3	82.0	83.3	88.7	616	0.46	94.7	95.3	65.3	95.3	95.3	95.3	656	95.3	69.36	13.3
	AI	26.0	59.3	59.3	59.3	59.3	0.09	60.7	1000	1000	60.7	100	62.7	62.	64.7	0.99	69.3	72.7	177.3	78.0	83.3	1	88.0	88.7	88.7	88.	88.7	88.	88.	98.	88.	<b>a</b>	080
	2	14.0	14.7	14.7	14.7	14.7	15.3	15.3	15,3	15.3	15.3	15.3	16.7	16.	16.7	17.3	19.3	19.3	19.3	19.3	20.0	20.0	20.0	20.02	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.02	20.0
CEILING	(FEET)	NO CEILING	≥ 20000	> 18000	7 16000	> 14000	12000		000	ſ	7000	í	2000	1	1 11	1	300		200 1 A I	1	150	1	90		8		8		8		78	VI 8	-

SMOS DIRNAVOCEANMET

150

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

WW000000LL0WL

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

MIRAMAR, CALIFORNIA

93107

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (STA	VISIBILITY (STATUTE MILES)	(\$3)						
(FEET)	2	AI	2.5	41	M Al	2 2%	7	V 1%	¥1 ¥	Ā	.₹ Al	# Al	Z Al	2 5/16	AI	0
NO CEILING	13.3		54.7	55.3	55.3	55.3	55.3	55.3	55.3		55.3	55.3	55.3	55.3	55.3	55.3
2 2000	14.0	5	55.3	56.0	56.0	56.0	56.0	26.0	56.0	26.0		26.0		26.0		26.0
A 18000	14.0	54.	55.3	56.0	96.0	56.0	26.0	50.0		96.0	26.0	26.0	20.0	96.0	26.0	20.0
909	14.0	54.	55.3	56.0	56.0	56.0	26.0	26.0	96.0	56.0	26.0	26.0	20.0	26.0	26.0	26.0
-	14.0	54.	535.3	56.0	36.0	26.0	26.0	20.0		26.0	26.0	20.0	20.0	26.0	20.0	26.0
12000	14.0	54.	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	26.0	26.0	26.0	26.0	26.0
A 1000	14.0	54.7	56.0	56.1	56.7	56.1	56.7	56.7	56.7	56.7	26.1	20.1	26.1	56.7	26.7	56.7
38	14.0	~	56.0	56.7	36.7	56.7	56.7	56.7	56.7	56.7	20.7	56.7	56.7	56.7	26.7	56.7
	16.0	1	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	51.3	57.3	57.3	57.3	57.3	57,3
1 41	14.0	55.3	50.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
	14.0	1	50.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	51.3	57.3	51.3	57.3	51.3	57.3
800	14.0	57.3	58.7	59.3	59.3	59.3	59.3	59.3	59.3	26.3	59.3	59.3	€ 66	59.3	59.3	59.3
	14.0	~	59.3	0.09	60.0	0.00	0.09	90.09	0.09	0.09	0.09	0000	0009	0.09	90.09	60.0
1 1	14.7	58.7	0.09	1.09	60.7	60.7	1.09		400	60.7	2.09	1.09	60.7	60.7	2009	60.7
,	15.3	0.00	61.3	0.79	62.0	0.20	62.0	0.79	95.0	62.0	95.0	0.29		0.29	0.79	0.29
300	15.3	0	1.99	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	61.3	67.3	61.3	67.3
	15.3	69.3	12.0	72.7	1201	12.7	1201	12.7	72.7	72.7	72.1	1501	15.7	15.7	12.7	12.7
2002	16.7	79.3	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
	16.7	19.3	82.0	82.7		82.1	82.7	82.7	52.7	62.7	82.1	82.7	82.7	82.7	82.7	82.7
8 2	10.7	83.3	86.0	86.7	86.7		86.7	36.7	86.7	85.7	86.7	2001	86.7	86.7	86.7	36.7
	16.7	0	88.0	88.7	88.7	88.	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7		88.7
1 1	17.3	10	6163	92.0	95.0	92.0	92.0	0.26	95.0	92.0	95.0	92.0	92.0	95.0	95.0	92.0
	17.3	1	6116	1.26	92.7	92.1	92.7	45.7	2	92.7	45.1	1.26	42.7	92.7	42.7	92.7
8	17.3	00	92.0	24.7	7.46	34.7	65.3	95.3	95.3	98.3	95.3	95.3	95.3	95.3	95.3	95.3
	17.3	œ	92.7	0.96	0.96	0.96	1.96	1.96	1.96	1.96					1006	100
8	17.3	88.0	93.3	97.3	97.3	97.3	98.0	0.86	0.86	98.0	98.0	0.86	98.0	0.86	30.0	98.0
	17.3	00	93.3	0.86	98.0		98.7	1.86	48.7	98.7	1.86		36.7		18.1	98.7
8	17.3	00	93.3	7.86	98.1	98.7	100.00	100.0		0	100.00	00.00	0.00	100.0	•	0000
	17.3	88.0	93.3	1.86		78.	0.001	100.0		10000	100.00		0.001	10000	1000	0001
38		00	93.3	1.96	1.96	7.00	00001	100.00	1000	00	0000	0000	0000	1000	0.001	0001
8	11.03		93.3	1.86		78.		100.0	1000	1000	000	0.0010	0.0010	100010	100001	0001
	17.3	0	73.3	100	1006	.0	0.00	0.0010	0.0010.	0010-0010-	5000	•		2001	3	2

TOTAL NUMBER OF OBSERVATIONS

100

SMOS DIRNAVOCEANMET

5703 CEILING VERSUS VISIBILITY JAN 78

58.2 58.3

57.0

56.5

٨١

59.6

62.0

58.4

85.8

76.0

8.69

# CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE

ALL S T) SUCON

MONTH

APR

1.49 89.8 59.5 95.8 30.05 58.2 56.3 61.9 15.9 87.7 65.6 6.46 6.96 6.95 60.2 82.7 58.5 87,7 93.3 59.5 61.9 89.8 92.9 6.46 56.4 58.1 58.3 2009 64.1 1.69 75.9 82.7 58.3 95.8 58.5 1.49 58.5 15.9 61.9 82.7 93.2 93.3 5001 60.2 69.7 2 1 0.49 58.1 59.3 57.2 58.1 9.69 82.6 82.6 96.1 61.7 56.7 89.7 75. 0.49 9.69 50.5 58.1 59.3 94.8 58.1 1.09 93.2 1.96 56.7 61.7 89.7 83. 95. 71 82.6 57.2 9.69 56.4 4.7 60.1 87.6 56.7 57.2 58.1 58.1 59.3 0.49 89.7 93.2 986 0.96 56.2 61.7 92.7 83.7 56.1 AI VISIBILITY (STATUTE MILES) (FROM HOURLY OBSERVATIONS) 9.68 56.3 58.1 90.95 58.0 0.09 63.9 82.5 82.5 82.5 87.5 42.4 57.1 57.9 69.5 92.7 93.1 56.1 94.5 95.8 59.5 56.1 56.1 57.1 75.7 57.9 0.09 58.0 57.1 58.1 59.5 69.5 87.5 89.6 7.26 92.6 92.7 6.46 95.8 56.3 56.1 36.6 61.6 63.6 42.4 56.1 57.1 75.7 1.56 56.3 0.09 63.9 4.56 58.0 59.5 9.19 87.4 89.3 89.5 0.56 53.3 57.1 57.1 69.5 56.1 56.6 57.9 56.1 58.1 75.7 56.1 ۲ ۸۱ 87.3 61.6 82.4 95.3 92.6 89.7 59.9 55.9 56.1 56.9 57. × 2 × 57.8 69.1 61.4 2006 56.1 87.2 15.4 82,2 95.0 59.0 63.0 63.3 63.3 9.46 50.4 2.69 56.9 58.6 29.4 56.6 88.5 55.5 56.6 86.8 81.9 92.4 61.1 68.9 56.6 57.5 63.3 75.1 93.1 ٨I 55.6 58.5 54.0 57.7 60.1 4.06 56.5 85.5 87.1 55.1 4.79 68.0 80.7 6.68 6.06 91.2 14.1 81.7 11 57.2 53.5 29.4 .01 85.0 51.6 52.2 52.1 53.6 76.8 81.3 82.6 84.7 35.2 51.9 54.8 64.7 77.7 52.7 51. ۸۱ 8.3 15.9 16.1 17.6 19.0 9.6 16.0 16.4 10.4 16.9 21.2 5.5 16.1 51.4 21.4 20.7 41.7 21.4 20.9 16.7 2 NO CEILING VI VI 00081 00081 (FEET) V 1 1 9000 4500 3500 2000 ≥ 20000 1500 88 88 2000 88

AI AI

TOTAL NUMBER OF OBSERVATIONS

6.86

98.3

97.8

97.8

6.46

85.3

80

AI AI

97.8

8.16

8.16

1199

98.2

6.96

6.96

96.8

8.16 1.86

97.5

97.5

0.16

7.56

94.3

616

21.4

88

AI AI

21.4

88

AI AI

3017

91.5 6116

1.46

41.6

96.2

7.16

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

73-77

01 MOUNT (1 5 7 ) MAY

CEILING								The state of the s								
(1981)	5	٨١	\$ 41	4	e Al	2 2%	7	VI	¥1	- AI	N N	*	N N	≥ 5/16	AI	٨١
NO CEILING	6.5	20.0		21.3	21.3	21.3	21.3	21.3	21.3		21.3	21.3	21.3	21.3	21.3	21.
2 20000	7.1	0	21.3	-	:	21.9	6.12	51.9	51.9	1.	-	-	51.9	21.9	21.9	21.
7 18000	1.1		-	21.9	51.9	1.	51.9	1.	51.9	21.9	1:	-	51.9	-	21.9	21.
7 16000	7.1	C	21.3	21.9	-	21.9	51.9	51.9	21.9	21.9	51.9	21.9	-	51.9	51.9	21.
> 14000	1.		21.3	21.9	21.9	-	51.9	-	51.9	21.9	-	-	51.9	21.9	21.9	21.
7 12000	7.1	20.7	21.3	21.9	51.9	21.9	21.9	51.9	51.9	21.9	-	-	21.9	21.9	57.9	21.
	1./			51.9	21.9	-1	6.15	21.9		21.9	:	511.9	21.9	-	21.9	21.
8	7.1		21.3	21.9	21.9	-	51.9	21.9	21.9	21.9	51.9	21.9	51.9	51.9	21.9	21.
	4.0	-		23.5	3	3	3.	23.2		3	5		23.2	23.2	23.2	23.
88	*	21.9	22.0	23.2	23.2		23.2	23.2	23.2	23.2	23.2	23.2	23.5	23.5	23.2	23.
1	4.0	-		23.2	3.	3	23.2	23.2	23.2	3		23.2	23.2	23.2	23.2	23.
2006	8.4	21.9		23.2	3	3	3	23.5	23.5	3	3	23.5		23.5	23.5	23.
1	4.0	3		24.5	. 4	*		24.5		4.	54.5	54.5	54.5	54.5	24.5	24.
8 8	8	23.9	24.5	25.2	23.5		25.2	25.2	25.2	2	2	5		25.2	25.2	25.
	9.0	. 4	25.2	25.8	:	3	25.8	25.8			5	3				25.
308	9.7	6	30.3	31.0			31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.
	11.6	c	39.4	0.04		0.04			40.0	0.04	40.0	40.0		40.0	40.0	40.
7000	12.3	;	40.4	0.64	6	6	0.64	0.64	0.64				0.64			*64
	14.3	5	1.67	50.3	50.3	500		50.3	50.3	50.3		2003	50.3		50.3	
8	12.9	53.6	58.1	59.4	6			59.4	29.4	20.4	6	29.4	29.4	•		59.
	12.9	9	6103	62.6	2.	2	62.6	95.79		62.6	62.6	95.0		62.6	62.6	62.
1 1	12.9	3	70.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.
	12.9		001	13.6			3.6		13.6	73.6	13.6	13.6	13.6	13.6	13.6	73.
8	12.9		73.6	77.4	17.4	-	78.1	78.1	78.1	78.1		78.1	76.1	78.1	78.1	78.
	12.9	69.9	14.0	4.61	80.0	0.08	80.7	80.7	80.7	80.7	80.7	80.1	80.7	80.7	80.7	80.
8	12.9	0	75.5	81.3	61.8	-	82.6	82.6	82.6	82.6	85.0	85.6	95.6	85.6	82.6	82.
1	12.9	58.	1104	85.6	86.5	86.5		87.7	87.7	87.7		87.7	87.7	87.7	87.7	87.
8	12.9	0	78.1	86.5	87.7		0.68	89.0	89.0	0.68	89.0	89.0	89.7	89.7	89.7	89.
1	12.9		1001	87.1			6.06	•		90.3	6006	90.3	0.16	91.0	91.0	91.
700			18.1	87.	1.68	60	91.0		•	92.9	;		73.3	73.5	75.5	
8	12.9	4.80	78.7	87.	1.68	60	91.0	6.26	92.3	92.9	200		1.00	1.00	200	
	16.7				030		21.0	26.3	. ,	1601	:	0	7.04			000

TOTAL NUMBER OF OBSERVATIONS

155

988

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

90 Sanon MAY

=

TOTAL NUMBER OF OBSERVATIONS

155

=

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) MIRAMAR, CALIFORNIA

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

07 mous (1.5.T.) MAY

CEILING								3101016) 1117101614	TOTE WILES	•						
(FEET)	2 1	o Al	5 4	AI AI	e Al	2 2%	2 7	%2 AI	2 1	Ā	AI	*	Z Al	2 5/16	AI	N AI
NO CEILING	3.9		3.					9		9	16.0	16.8		1		
> 20000			;	15.5		17.4		-	17.4		17.4	17.4	17.4	17.4	17.4	1
> 18000		13.6	14.2	5	16.8	17.4	17.4	11.4	17.4	17.4			•			
≥ 16000	4.5		;	15.5	;			-		-	•		17.4	17.4		17.
				2				-		-			11.4			11.
≥ 12000	•		;										16.1	18.1		18.
1			2							00			18.7	20		
0006	5.2		'n		18.1								18.7	18.7		18.
1					*				20	00		80				-
7000	5.5	14.8	3					*		0		8	18.7	8		00
1							0		6	0	6	6		6	6	0
2000	5.6				. 8	19.4			6	6	6	6	6	6	6	0
1	6.5	16.8		18.			0	0		0		0	0	0		20.
000			-		0		ò	0	0	ò	0	0	0	0	0	0
	6.5			0	-				:	-	-	-	-	-	-	-
3000			2	. 9	-		8		00	0	8	8		8		0
	-		-	2	. 5	34.8		:	•	*	•	:		*	:	*
2 2000				-	2					3	3	3	3	3	3	m
1	2		2.	3.	0		:					-				-
1500			3	•					6	6	6	6	6	6		0
1	3		3		0	0	=	-	-	-	-	-		-	-	-
100			0	5	6	6		:	0	0		0	0	0		0
			7			2	2.			3	3	3		3	3	3
8	13.6		3	6	3	74.2		•		9		•	0	9	•	•
	3			6		9		0	3	0	0	0	0	0		0
8			0	0		0				10	3	3		3	3	-
	3					-		•		-			88.4		8	88
8			3	-	0	-					0	0	0	0	0	0
	13.6			-		-				0	2	2			;	. 76
300	•		3	1.	80.0		2	89.0		91.0	~	93.6	95.5	62.5	1.96	
8	13.6	55.5	63.2	71.6		61.9	87.1	89.0	0.68	1.		3	1006	. 9	;	98.

TOTAL NUMBER OF OBSERVATIONS

188

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

01 MAY

883

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CHILLIAN	CEILING							NSIA	SILUTY (STA	VISIBILITY (STATUTE MILES)	S						
4.5 27.7 32.4 41.3 45.8 47.1 47.1 47.1 47.1 47.1 47.1 47.1 47.1	(FEET)															1	
75000 4.5 27.7 33.6 41.9 46.5 47.1 47.1 47.1 47.1 47.1 47.1 47.1 47.1	NO CEILING		27.		41.3	5	46.5	0	40.5		46.5	0	-	0	46.5	46.5	46.5
4.5 28.4 34.2 42.6 47.1 47.7 47.7 47.7 47.7 47.7 47.7 47.7	> 20000		27.		41.9	9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
4.5 28.4 34.2 42.6 47.1 47.7 47.7 47.7 47.7 47.7 47.7 47.7			28			47.1	47.7	47.7	41.1	47.7	47.7	47.7	47.7	47.7	47.1	47.7	47.7
10000   4.5   28.4   34.2   42.5   47.1   47.7			28.			47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
10000   4.5   28.6   34.2   47.1   47.7			28.			47.1	47.7	47.7	47.7	47.7	47.7	47.7	41.1	47.7	47.	47.7	47.7
4.5 29.0 34.0 43.2 47.7 48.4 48.4 48.4 48.4 48.4 48.4 48.4		4.5	28.			47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
0000 6.5 31.0 36.8 45.2 49.7 48.4 48.4 48.4 48.4 48.4 48.4 48.4 48		4.5	29.			47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	46.4	48.4	48.4	4004
5.5 31.0 36.8 45.2 49.7 50.3 50.3 50.3 50.3 50.3 50.3 50.3 50.3			29.	34.8	43.2	47.7					48.4	•		4.84	48.4	48.4	48.4
7000 6.5 31.0 36.0 45.2 49.7 50.3 50.3 50.3 50.3 50.3 50.3 50.3 50.3			31.	36.8	45.2	1.67	0			0	50.3	0	1	50.3	50.3	0	50.3
5.9         31.6         31.0         51.0			31.	36.8			0	0	0	0			0			0	
7.1 32.3 38.1 46.5 51.0 51.6 51.6 51.6 51.6 51.6 51.6 51.6 51.6	1		31.	37.4			-		:	51.0		-	-	:	:		51.0
7.7 32.9 38.7 47.1 51.6 52.3 52.3 52.3 52.3 52.3 52.3 52.3 52.3			32.	38.1		-	-	•	-			-	-	:	-		51.6
7,7 32,9 38,7 47,1 51,6 52,3 52,3 52,3 52,3 52,3 52,3 52,3 52,3	1		32.	36.7		:	2.		2.	2.			2	3	2.		52.3
3500 9.0 37.4 43.2 51.6 56.1 56.8 56.8 56.8 56.8 56.8 56.8 56.8 56.8			32.	38.7		-	2		2.	2	2	2	N		2.		52.3
3000 12.9 43.9 50.3 58.7 63.2 63.9 63.9 63.9 63.9 63.9 63.9 63.9 63.9			37.	43.2	-	9	9	0	0	0	9	0	9		9	0	56.8
18.1 54.2 50.7 69.0 73.6 74.2 74.2 74.2 74.2 74.2 74.2 74.2 74.2		2	43.	50.3	8		3		3.	3	3		3	3	3	*	63.9
1800 18-1 58.1 64.5 73.6 78.7 79.4 79.4 79.4 79.4 79.4 79.4 79.4 79	1	0	54.	000	0			*	*			;				:	12
1800 18-1 60-0 66-5 75-5 50-7 51-3 51-3 51-3 51-3 51-3 51-3 51-3 51-3			58.	64.3		*			6			6	0		79.4		19.4
1500 18-1 64-5 72-9 82-6 88-4 89-0 89-0 89-0 89-0 89-0 89-0 89-0 89-0		8	.00	60.3	15.5	0	-	-	-	-	-	-	-	-		-	81.3
1801 1801 66.5 74.6 84.5 91.0 91.6 92.3 92.3 92.3 92.3 92.3 92.3 92.3 92.3			040	72.9	2.	8	6			6	6	6	6				89.0
180, 181, 66.5 75.5 85.8 92.9 93.6 94.8 96.8 94.8 94.8 94.8 94.8 94.8 94.8 94.8 94		00	.99		4	:	-	2	2.	2.	2.	2	2			2	
18.1 66.5 76.1 86.5 94.2 94.8 96.1 96.8 96.8 96.6 96.6 96.8 96.8 96.8 96.8		00	66.		5	. 7	3	;	;		•	*	4			;	
18.1 56.5 76.1 86.5 94.8 96.1 96.8 96.8 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4		0	66.	1001		5		.0		9	9	0		•	9	•	96.8
16.1 66.5 76.1 86.5 94.8 96.1 97.4 98.1 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7		8	99	1.94	9		. 4			•			-		-		97.4
200 18.1 66.5 76.1 87.1 95.5 96.8 98.1 98.7 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99		00	.99	1001	86.5	. 4	. 9	:		98.1		1.86				7.86	98.7
200 18.1 66.5 76.1 87.1 95.5 96.8 98.1 98.7 99.4100.0100.0100.0100.0100.0100.0100.01				76.1		3		•	8	1.86		6	6				4.66
18.1 66.5 76.1 87.1 95.5 96.8 93.1 98.7 99.4 100.0100.0100.0100.0100.0100.0100.010		00		76.1	87.1	2.	9				7.6	0000	00	0	0	100.0	
18.1 66.5 76.1 87.1 95.5 96.8 98.1 98.7 99.7 99.4100.0100.0100.0100.0100.0100.0100.01		00		76.1	87.1		9	•	98.7		4.6	0000	00	0	0	100.0	
200 18-1 66.5 76.1 87.1 95.5 96.8 98.1 98.7 98.7 99.4100.0100.0100.0100.0100.0100.0100.01		0		1.91	87.1	3		98.1	1.86	98.7	6	0	0	0	0	0.0	
100 18.1 66.5 76.1 87.1 95.5 96.8 98.1 98.7 98.7 99.4100.0100.0100.0100.0100.0100.0100.01				76.1	87.1		5	-			0	0	0	0		0	0000
0 [ 18.1 66.5 76.1 87.1 95.5 96.8 98.1 98.7 98.7 99.4100.0100.0100.0100.0100.0100.0100.01				1001		5	0			00	4.6	0.00	00	0	0	0.0	0
		8		1001	-	5	9	30	0	00	4.6	0000	00	0.0	00	0.0	0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

13 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISIA	BILITY (ST.	VISIBILITY (STATUTE MILES)	(S)						
	2	4	<b>9</b>	AI	e Al	2 2%	7	V 7/	VI 7.	<u>-</u>	≱ ∧I	*	Z Al	≥ 5/16	× Al	٥
NO CEILING		43.9	49.1	55.5	39.4			0.09	0.09		6	0.09	0000	0000	0.09	0.09
N 20000	9.7	45.8	52.3	58.1	61.9	65.6	9.29	62.6	62.6		62.6	9.29	62.6	62.6	62.6	9.29
			-	58.1	6.19	62.6	95.0	9.29	62.6	•		•	95.79	62.6	62.6	62.6
> 16000		45.8	52.3	58.1	619	05.0		62.6		62.6	62.6	95.29	95.09	62.6	9.79	65.6
		45.8	-	58.1	619	95.0	95.0	9.79	9.79	•	2	95.29	2	95.29	9.29	62.6
7 12000		45.8	-	58.1	61.9	62.6	9.29	62.6		62.6		9.29	62.6	62.6	62.6	9.29
1		47.1	53.6	29.4	63.2	63.9	69.69	63.9	63.6	63.9	63.9	63.9		63.9	63.9	63.9
000		47.1	53.6	7.65	63.2	63.9	63.9	63.6	3	63.9	63.9	63.9		63.9	63.9	63.9
	11.0	47.7	-	0.09	63.9	64.5	64.5	64.5	64.5	64.5	4	64.5	*	64.5	64.5	64.5
7000		47.7	_	0.09	63.6	64.5	54.5	64.5		64.5		64.5		64.5	64.5	64.5
1	11.6	48.4		100	64.5	0	7.59	2.69	2	2.59	2		5	2.50	65.2	65.2
2000	11.6	48.4	54.8	60.7	64.5	65.5	65.2	65.2	65.2	65.2		2.69		65.2	65.2	65.2
1		48.4	-	1.00	64.5	2.50	2999	5.69	3	2.50	2.59	2.50	5	59.59	2.69	65.2
000		48.4		60.7	64.5	65.2		65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
1		0.64	55.5	61.3	65.2	8.59	65.8	65.8	5.	65.8	3	05.8	65.8	65.8	8.59	65.8
3000		24.5	2.09	66.5	0	71.0	71.0	71.0	71.0	71.0	-	710	71.0	71.0	71.0	71.0
		64.5	500	16.8	80.1	81.3	81.3	81.3	81.3	81.3	81.3		81.3	81.3	81.3	81.3
7 2000		71.0	77.4	85.2	0.68	1.68	89.7	89.7	89.7	89.7		89.7	1.68	1.68	89.7	89.7
		11.0	1	2.59	89.0	69.1	2.69	89.7	89.7	89.7	89.1	89.7	1.68	89.7	89.7	89.7
1500		74.8		1.68	93.6	34.5	8.56	8.46	8.46	8.46	94.0	8.46	8. 76	94.8	8.46	94.8
		75.5	81.9	6003	8.46	63.5		1.96	96.1	1.96	1096	1.96	1 . 96	96.1	1.96	1.96
141		78.5		8006	8.56	1.96	96.8	8.96	8.96	8.96	90.9	96.8	90.96	96.8	96.8	96.3
		18.5		0.16	95.5	•	98.1	98.1	98.1	1.86	98.1	1.86	1.86	98.1	1.86	98.1
8		75.5	81.9	91.6	8.96	98.1	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
		15.5		6.76	4.16		10.00	00.00	00.00	0000	0.00	00	0.001	100.0	100.0	0000
8		75.3		92.3	4.16	98.71	0000	10000	00			_	0.001	100.0	100.001	0.00
200		15.5		92.3	4.16	98.71	10.00	00.00		0000		00	00	100001	100.0	0000
141		75.5	65.6	65.3	4.16	98.71	10.00	00	100.001	0000		00	0.001	100.0	100.001	0.00
		13.5	7	6.26	4.16	1 8 1	10000	10.00.	100.001	0		00	90	100.0	•	0.00
Z 200	20.0	75.5	85.0	92.3	4.16	98.71	0000	0.0		ò	00	00	00	0	100.001	0.00
VI 81		15.5	2	6.26		8.	00	00.00	•		00	00	00	•	•	0.00
	•	000	94.0	6.24	4016	7.8	00.00	00.01	00.00	0000	00.00	0.001	0000	00001	0.001	0000

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

73-77

16

MAY

288

:		AI	59	610	61.	9	61.	9	63	63	63	63	63	63	63	63	63	67.		85	89	94.	96	98	66	8	00	8	00	8	8	3	8
1) \$4000		2	*	.3		.3	.3		.5	.2	.2	.2	.2	.2	.2		6.	-	*		-	. 8		-							9	3	9
9		Al	39	61	19	9	3	61	63	63	63	63	63	63	63	63	63	67	-	85	88	34	96	96	66	8	001	100	0010	0010	0010000		0100
		9//8	*	.3	. 3	.3			. 5	.2	20	.2	.2	1.2	.2	6.	6.		4.	. 8	00		. 8	-	*	•	0.				0	2	0
		AI S	5	61	19	01	5	0	63	63	63	63	63	69	63	63	63	67	-	85	20	94	96	98		-	100	100	-	100	000		100
		2		1.3	.3	.3		1.9	3.2	3.5	3.2	3.5	3.2	3.2	3.2	9.0	3.9	7.1	*	8.	0.		8.0	3.1	•						900		0
		Al	5	9	9	•	0	0	0	0	0	0	0	•	0	9	9	•	-	8	8	6	6	36	66	8	100	100	ŏ	00	000	2	100
		*	6	619	1 . 3	1.		1 . 9	3 . 2	3 . 2	3:5	3.2	3.2	3.2	3 . 2	63.9	63.4	67.1	501	85.8	0 6	14.8	96.8	98.1	9 6 6	0	0.0	0.0	000	0	0 0		0
			4 5	3 6	3	3	9	0	9 2	0	9	9 7	2	9 2	0	9	9 6	9 1		0	9	2	8	6	5	0010	0010	0010	010	0010	0010	00	010
		* AI	6	.1.			-		3	.3	3	3	3	3.	3	3.	3.	7.	, ,	5.	18.	4.	19	.86	66	•	00	0			0	00	
U			4	3	3	3	0	6	2	2	2 0	2	2	2	2 0	9	9 6	1 6	4	8	0	8	8	5	4	0010	0010	010	0010	0010	0010	2	0010
EN L	_	Ā	99.	61.	51.	61.	51.	510	53.	53.	63	63	53.	63.	63.	63.	53.	57.	17.	9 5	6 6	94.	96.	98.	666	000	.00	00	00	00	000	9	
U.S.	MILES		*	3	3	3	m	0	7	~	2	~	2	7	2	6	0	-	4	00	0	80	8	-		0	010	9		8	5	5	0100
S <sub>E</sub>	TUTE	VI Z	29	61.	919	61	5	0	63	63	63	63	63	63	63	63	63	67	-	85	68	46	96	98	66	00	00	00.00	00	00	000		0100
₹ ×	VISIBILITY (STATUTE MILES)	2,2	4.	.3		.3		6.	. 2	2.	• 5	2.	.2	7.	.2	0	6.	-	4.	8	0		8	7.		0	10.	0	0	8	0 0	c	0
Y C	BIEIT	ĀI	59	61	19	10	9	6	63	63	63	63	63	63	63	63	63	67	11	82	68	34	96	200	66	0100	0010	00100	001	00	0010	0	0100
NO B	VIS	2	5 .	.3	.3	. 3	. 3	6.	1.2	1.2	1.2	7.5	. 2	2.5	. 5	6 .	6.6	1.1	4.	. 8	0.0		8	-	-	_	0.6	0.0	0.0	0	0		0
22		AI	36	0	61	9	6	0	0	0	63	9	9	9	0	9	9	6	7	3	8	6	96	98	66	100	100	100	100	100	0	3 6	0100
OU OU		21%	4.6	1.3	1.3	1.3		1.,	3,2	3.5	3.2	3.5	3.2	3.2	3.6	3.9	3.9	7.1	1.4	5.0	0.6	4.8	6.8		4.6	0	0.0	0.0	0.0	0.0	0		
# ±		Al	2	10	0/	0	0	0	0	0	9	0	9	9	9	5	2	0	1 8	0	9	2	6	7	~	2	01/	10	01	0	25	2	100
ENTAGE FREQUENCY OF OCCURE (FROM HOURLY OBSERVATIONS)		N Al	8	.0	.09	00	0	-	25.	2.	2.	2.	2.	25.	62.	63.	. 69	. 99	.0	.2	88	4.	.90	:	96	90.	. 96	98.	8	8		2	98.
Z E			5	4	3	4	3	2	4	3	3	4	3	4	3	0	0	2	0	0	2	6	23	0	0	V	2	V:	5 2	2	20	1	101
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)		VI	58	57.	57.	57	2	58	20	29	29	20	29	59	29	60.	09	63	73.	61	84.	90	26	63	63	5	76	94.	34.	94.	3 0	70	36
•			0	•	0	5	•	0	0	00	30	0	20	30	0			1.		35	4	2	3	-	-1					-		+	-
		AI	51	52	52	52	25	53	2	24	34	54	34	34	54	35	25	30	69	10	13	85	35	87	87	0	87	87	0	8	0 0	87	87
		•	46.5	4.	4.	4	4	0										. 2							-								-
		Al				48										51									0		80	80	80	80	0 4	8	80.
		01	2.3			3.6								4.2		•									9		1.0	8.7	2.1				
		Al	_	-	7	=	_	-	**	-	_	-	-	-	1.4		-	7	18	18	18	-	_	-	2	-	18	-	20	-		1	18
	S.	E	NO CEILING	20000	18000	000	14000	8	10000	8	8	2000	8	2000	200	4000	200	3000	2500	8	1800	200	1200	8	8	8	200	8	200	9	88		80
	CEILING	(FE	10 CE	1 20	VI 78		7		71			A		i Al		4		M		٨١		٨١		٨١				AI		Aī	AI A		14 14
			-	_	_	_	_	_			_	_		_	_	_		_	_		_		_				_		_			1	

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA STATION NAME

73-77

YEARS

=

MAY

				PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)	ENTAGE (FROM	FREQUE	UENC)	SERVA	NCY OF OCCUR	RENCE					5 1) SUNON	-
CEILING							VISIA	BILITY (STA	VISIBILITY (STATUTE MILES)	(\$						
(FEET)	2	N AI	4	7	6 41	≥ 2%	~ Al	V 1%	¥1 ¥	-	* Al	* 1	Z Al	≥ 5/16	N N	0 1
			38.1	38.7	40.1	41.9	41.9	41.9	41.9	45.6	42.6	45.0	45.6	45.6	45.6	45.6
¥ 20000			41.3	41.9	43.9	45.5	48.2	45.2	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8
			41.3	41.0	43.9	45.2	45.2	45.2	45.2	45.8	45.8	45.8	45.8	8.54	45.8	45.8
14000		38.1	41.3	41.9	43.9	45.2	45.2	45.2	45.2	45.8	45.9	45.8	45.8	45.8	45.8	45.8
1				41.9	43.9	45.2	45.2	45.2	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8
2 12005				41.9	43.9	45.2	45.2	45.2	45.2	45.8	45.6	45.8	45.8	45.8	45.8	45.8
1 -				42.0	44.5	42.8	45.8	45.8	45.8	46.5	40.5	6005	40.5	40.5	40.5	49.5
800			41.9	45.6	44.5	45.8	45.8	45.B	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5
1			42.0	43.2	45.2	46.5	46.5	40.5	46.5	47.1	47.1	47.1	1.18	47.1	1.14	47.1
38				43.2	45.2	46.5	46.5	46.5	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1
1				43.2	45.2	46.3	46.5	46.5	46.5	47.1	1.1.4	1.1.4	47.1	47.1	47.1	47.1
300				43.2	45.2	46.5	46.5	46.5	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1
1				43.2	45.2	46.3	46.5	40.5	46.5	47.1	47.1	47.1	10/4	47.1	1.14	47.1
1 41				43.2	45.2	46.5	46.5	46.5	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1
					45.2	46.5	46.5	46.5	46.5	47.1	1.1.4	10/5	1.1.	47.1	47.1	1:1
3000			45.8	46.5	48.4	1.65	49.7	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3
			53.0	54.6	1095		37.4		57.4	58.1	58.1	1986	28.1	1.86	28.1	58.1
7000				29.4	61.9	63.9	63.9	63.9	63.6	64.5	64.5	64.5	64.5	64.5	64.5	64.5
			619	9.29	2.59	1.19	67.1	67.1	07.1	67.1	1019	07:1		67.1	57.1	67.7
1500				74.8	17.4	19.4	19.4	19.4	19.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0
				80.7	83.2	85.2	85.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.6	85.8
200			83.2	85.2	0.68	91.0	91.0	91.0	91.0	91.6	91.0	910	91.6	91.6	91.6	91.6
8				86.5		92.9	92.9	95.9	95.9	93.6	93.0	93.6	93.6	93.6	93.6	93.6
				87.7	84.5	1004	1006	1 96	1.96	91.4	4.16	37.4	4.16	71.4	4016	40.16
				0.68	62.5	40.16	31.6	98.1	1.86	*	4.66		66	40.66	4.66	40.66
8				0.68	95.5	97.4	4.46	98.1	98.1	4.	100.0100		000	00.0100	100.00	0.00
					6.56	41.4	4.66	1.86	1.86	4.6	4100.01	0100.01	0.0010	0000	100.0010.0010.001	0000
140				89.0	95.5	97.4	4.16	98.1	98.1	4	100.0100	00.00	0	100.0100.001	00.00	0.00
					62.5	31.4	4.16	1.86	96.1	14.66	100001		0	100.0100	0.00	0100.0
7 20	•	•		0.68	95.5	97.4	4.16	96.1	98.1		100.0100		0	0	00.00	100.0
8	15.5	76.8	85.8	0.68	2		1.	1.86	1.86	* 6	000	00	0100.01	0000	•	0.0010
				84.0	42.5	1.0	37.4	1.06	1.06	1 4 6 6	10.00	00	00.00	0000	100.001	0000
																1

TOTAL NUMBER OF OBSERVATIONS

155

=

31.0

31.0

31.6

55.5

80.0 82.6 91.0

74.2

30.3

29.7

29.

#### CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

93107

0

MIRAMAR, CALIFORNIA

73-77

\*\*\*\*

28.4 29.7 29.

AI

318

				PERCE (	PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)	FREG	UENC LY OB	FREQUENCY OF OCCUR! HOURLY OBSERVATIONS	TIONS	RENCE S)					2	~
CEILING							VIS	VISIBILITY (STATUTE MILES	ATUTE MIL	SS .						
(FEET)	2	o Al	\$ 41	7.1	1 2	2 2%	2 4	¥2 VI	VI	Ā	AI	* 11	S.	2 5/16	A)	
NO CEILING		24.	25.0	25.8	25.8	25.8	25.8	20.5	26.5	27.5		10/2	5000	28.4	28.4	2
		52	70/2	10/2	21.15	10,60	27.1	5,0	:		0 1	4007		200	200	7
VI VI 00081	0 0	25.8	27.1	27.1	27.1	27.1	27.1	27.7	27.7	200	28.4	28.4	29.7	29.7	29.7	<i>"</i> ~ <i>"</i>
N 14000		25.	27.1	27.1	27.1	27.1	27.1	27.7	-		20.4	28.4		29.7	29.7	2
		23.	27.1	27.1	27.1	27.1	-	27.7	•	00	•	•	29.7		29.7	2
0000			27.7	27.7	27.7	27.7	27.7	2 9 6	7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	29.0	20.00	29.0	30.0	30.3	30.3	J (J)
1		27.	28.4		28.4	4.87		6	29.0	6			31.0		31.0	-
141	7.1	27.	~			28.4	28.4	29.0	29.0		29.7	29.7	31.0	31.0	31.0	<u>_</u>
1		27.				28.4	0	6	29.0	6	5	29.7	31.0	31.0		-
000		27.	28.	28.4	3		*	29.0	29.0	6		29.7	31.0	31.0		-
1		27.		7	6	6			29.7	0		30.3		31.6	31.6	-
000		27.	58	7		29.0	29.0	29.7	29.7	0	30.3	30.3				m
		59.	30.3	30.3	0			31.0		-	31.0	31.6	32.9	32.9	32.9	-
3000		34.	35.	35.5	•		3	36.1		•	36.0	36.8	38.1	38,1	38.1	~
		43.	44.	3		44.5		45.2		2	45.0	43.8		47.1	47.1	3
7 2000		50.	\$2.	52.9	52.	52.9	52.9	53.6	53.6	54.2	54.5	24.5	55.5	55.5		2
		51.	24.5	24.2		24.2	*	54.8		3	-		0	56.8	•	2
1500		•00	63.	63.9	64.5		64.5	65.2		•	0.59	65.8	67.1	•		9
		67.	:	71.0		11.0	71.6	72.3	~	72.9	2.	72.9	14.2	74.2	74.2	
000		71.	1	76.8	-		-	78.1	00	78.7	80			0	80.0	00
		72.	78.1	79.4	80.0	0.00	0	80.1	80.7	81.3	81.3	61.3	7.	82.6	82.6	00
8		73.		84.5				87.1	87.1	87.7	87.7	87.7	89.0	•		83
1	14.2	73.	82.0	85.8	87.7	86.4		89.0	89.0	89.7	89.1	89.7	91.0	91.0	91.0	6
38	14.2		84.5	87.7	89.7	800		91.0	91.0	9116	91.6	91.6	6.26	6.26	92.9	0
1	1	-	1	-	-	-	-	N. W. W.	-	1	1	-	1 1	2 1 1	7 14	

0

0

0

0

0

TOTAL NUMBER OF OBSERVATIONS

155

0.0010.0015.66

4.66

96.8 96.8

96.8 96.0

96.

96.8 96.8

8.96

95.3

93.0

14.2 14.2

88

AI AI

0.68

4.2

80

AI AI

1

9000

8.46 98.1

98.1

96.1 96.1 1.96 1.96

91.0 91.0 91.6 92.9 92.9 93.6 95.5 95.5 96.1

91.6 91.6

90.3

14.2

88

AI AI

2.46 2.56 94.2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL MAY

9894

2.0 2.6 23 24 23 22 24 23 22 24 23 22 24 22 24 22 24 22 24 22 24 22 24 22 24 22 24 22 24 22 24 22 24 22 24 24	CEILING						VISIV	BILLITY (ST.	VISIBILITY (STATUTE MILES)	(\$3						
7.7 29.6 28.2 31.0 33.1 37.0 37.5 37.0 37.0 37.0 37.0 37.0 37.0 37.0 37.0	(FEET)		5 41											\$ 5/16		O AI
7.7 29.4 32.4 35.2 37.1 37.0 37.5 37.5 37.6 37.6 37.8 37.8 37.8 37.8 37.8 38.0 38.0 38.0 38.0 38.0 38.0 38.0 37.7 29.4 32.4 35.2 37.1 37.6 37.7 37.7 37.7 37.9 37.9 37.9 37.9 37.9	NO CEILING	6.8		33.1	10	0	9	6		9						36.6
110000	≥ 20000	7.7			-	-	:		-	-						38.0
1.0000 1.7 29.5 32.4 35.2 37.1 37.6 37.7 37.7 37.7 37.7 37.9 37.9 37.9 37.9		7.7		2			:	-	-							38.1
10000 1.7 29.5 32.6 35.2 37.1 37.5 37.7 37.7 37.7 37.7 37.7 37.7 37.9 38.1 38.2 38.2 38.2 38.2 38.2 38.2 38.2 38.2		7.7				-	:	-		-						38.1
7.7 29.7 32.0 35.3 37.3 37.7 37.7 37.8 37.8 36.1 38.1 38.1 38.1 38.2 38.2 38.2 38.2 30.0000 6.2 35.3 33.2 35.2 35.0 37.9 38.9 38.9 38.5 38.7 38.7 38.7 38.7 38.7 38.7 38.9 38.9 38.9 38.9 38.9 38.9 38.9 38.9		1.1		5	37.1		-	37.1								38.1
10000   6 · 2   30 · 3   33 · 2   36 · 0   37 · 9   38 · 4   38 · 5   38 · 7   38 · 7   38 · 7   38 · 9   38		7.7		5	37.3	~	;			00		38.1				38.2
86.8 31.1 34.0 35.7 38.6 39.1 39.2 33.2 33.2 39.4 39.4 39.4 39.4 39.4 39.4 39.6 39.6 39.6 39.6 39.6 39.6 39.6 39.6	1	0.2			37.9		-			8		38.7				38.9
8000 8 6 8 31 1 34 0 36 7 38 6 39 1 39 2 39 2 39 4 39 4 39 4 39 6 39 0 39 0 39 0 39 0 39 0 39 0 39 0		8.2			37.9	38.4				38.7		38.7				38.9
8.8 31.1 34.0 36.7 38.6 39.1 39.1 39.2 39.2 39.4 39.4 39.4 39.6 39.6 39.6 39.6 39.6 39.6 31.1 34.0 36.7 38.6 39.1 39.4 39.9 39.8 39.8 39.8 39.8 39.8 39.8 39.8	1	8.6		36.7	38.6	39.1	:									39.6
9.0 31.4 34.4 37.2 39.1 39.6 39.7 39.9 39.8 39.8 39.8 39.8 39.9 39.9 39.9		8.8			38.6	39.1	:									39.6
9.0 31.5 34.4 37.2 39.1 39.6 39.6 39.7 39.7 39.9 39.9 39.9 40.1 40.1 40.1 40.1 40.1 3.00 9.3 32.2 33.1 37.6 39.8 40.2 40.2 40.3 40.6 40.6 40.6 40.6 40.6 40.8 41.0 41.0 41.0 41.0 41.0 41.0 41.0 41.0	1	9.0			39.0											39.9
4300 9-3 32-2 33-1 37-8 39-8 40-2 40-3 40-3 40-6 40-6 40-6 40-6 40-6 40-6 40-6 40-6		9.0		37.2	39.1											40.1
9.3 32.4 35.3 38.1 40.0 40.5 40.5 40.6 40.6 40.8 40.8 40.8 41.0 41.0 41.0 41.0 41.0 41.0 41.0 41.0	1	9.3		37.6	39.8									1		40.7
3300 9.8 33.6 41.0 44.4 46.3 45.8 46.9 46.9 47.1 41.9 41.9 42.1 47.3 47.3 47.3 47.3 14.5 3000 11.8 38.6 41.0 44.4 46.3 45.8 46.9 46.9 47.1 47.1 47.1 47.1 47.3 47.3 47.3 47.3 47.3 14.5 5000 14.9 53.6 57.6 57.6 57.8 57.7 55.7 55.7 55.7 55.7 55.7 55.7		6.3		38.1	0							40.8		100		41.0
11.8 38.6 41.6 44.4 46.3 46.6 46.9 46.9 47.1 47.1 47.1 47.3 47.3 47.3 47.3 47.3 47.3 47.3 47.3			1.		-		:					41.0		1	2	42.1
14.5 46.8 50.2 53.0 54.9 55.4 55.5 55.5 55.7 55.7 55.7 55.9 55.9 55.9					46.3					47.1		47.1				47.3
15:00 15:00 55:4 59:3 62:9 63:5 63:5 63:6 63:6 63:8 63:8 63:8 64:0 64:0 64:0 64:0 18:00 15:00 55:4 59:3 62:4 67:3 70:9 73:3 73:9 74:0 74:1 74:1 74:4 74:4 74:4 74:4 74:4 74:5 74:5 74:5					54.9		3			55.7		55.7		F		55.9
1500 15-0 55-4 59-5 62-8 65-0 65-6 65-7 65-7 65-9 65-7 65-9 66-1 66-1 66-1 66-1 1500 15-5 62-4 67-3 70-9 73-3 73-9 74-0 74-1 74-1 74-4 74-4 74-4 74-4 74-5 74-5 74-5 74-5					65.0	63.5						63.8		-		64.0
1500 15.5 62.4 67.3 70.9 73.3 73.9 74.0 74.1 74.1 74.4 74.4 74.4 74.5 74.5 74.5 74.5 74.5						5	3	65.7	:			62.0				66.1
15.6 64.7 70.2 74.1 76.7 77.5 77.6 77.6 77.8 77.8 77.8 78.0 78.0 78.0 180.0 15.6 68.3 74.8 79.7 82.7 83.4 83.8 83.8 84.0 84.0 84.0 84.2 84.2 84.2 84.2 84.2 84.2 85.0 15.6 68.4 77.2 82.9 86.8 87.6 88.2 88.4 88.4 88.8 88.8 88.8 89.0 89.0 89.0 89.0 15.6 69.4 77.2 82.9 86.8 87.6 88.2 88.4 88.4 88.8 88.8 88.8 89.0 89.0 89.0 89.0 15.6 69.9 78.4 84.8 89.4 90.5 91.6 91.6 92.0 92.1 92.1 92.3 92.3 92.3 50.0 15.6 69.9 78.4 84.8 89.4 90.5 91.6 91.6 92.0 92.1 92.1 92.3 92.3 92.3 50.0 15.6 70.2 79.0 86.0 91.1 92.3 94.3 94.3 94.8 95.6 96.1 96.1 96.1 96.1 96.1 98.1 98.1 100 15.6 70.2 79.1 86.2 91.7 92.9 94.5 95.4 95.4 96.3 97.0 97.0 97.0 97.9 97.9 98.1 100 15.6 70.2 79.1 86.2 91.7 92.9 94.5 95.4 95.4 96.3 97.0 97.0 97.0 98.1 98.1 98.8 10.0 15.6 70.2 79.1 86.2 91.7 92.9 94.5 95.4 95.4 96.3 97.0 97.0 97.0 98.1 98.1 98.8 10.0 15.6 70.2 79.1 86.2 91.7 92.9 94.5 95.4 95.4 96.3 97.0 97.0 98.1 98.1 98.8 10.0 15.6 70.2 79.1 86.2 91.7 92.9 94.5 95.4 95.4 96.3 97.0 97.0 97.0 98.1 98.1						-	*	74.1	:	3	;	74.4				74.5
15.6 68.9 75.6 68.9 76.6 79.7 82.7 83.4 83.7 83.8 84.0 84.0 84.0 84.2 84.2 84.2 84.2 84.2 80.0 15.6 68.9 75.6 80.9 80.2 80.2 80.0 80.0 15.6 69.4 77.2 82.9 86.8 87.6 86.2 84.4 88.4 88.8 88.8 88.8 89.0 89.0 89.0 89.0 15.6 69.4 77.2 82.9 86.8 87.6 86.2 84.4 88.4 88.4 88.8 88.8 89.8 91.0 91.0 91.0 91.0 15.6 69.9 78.4 84.0 88.4 89.3 90.4 90.4 90.8 90.0 90.8 91.0 91.0 91.0 91.0 15.6 70.2 79.4 84.8 89.4 90.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91	1			14.1			:			-		17.8				78.0
15.6 68.9 75.8 80.9 84.2 84.9 85.3 85.6 85.8 85.8 85.8 85.0 86.0 86.0 86.0 86.0 15.6 69.4 77.2 62.9 86.8 87.6 86.2 88.4 88.4 88.8 88.8 88.8 89.0 89.0 89.0 89.0 15.6 69.4 77.2 62.9 86.8 89.3 90.0 90.4 90.4 90.8 90.0 90.8 91.0 91.0 91.0 91.0 15.6 15.6 69.9 78.4 84.8 89.4 90.0 90.4 90.4 90.8 90.0 90.8 91.0 91.0 91.0 91.0 15.6 70.2 78.4 84.8 89.4 90.8 91.6 91.6 92.0 92.1 92.1 92.3 92.3 92.3 50.0 15.6 70.2 79.0 86.0 91.1 92.3 93.6 94.3 94.3 94.8 95.0 92.1 95.1 95.5 95.5 95.5 10.0 15.6 70.2 79.1 86.2 91.7 92.9 94.5 95.4 95.4 96.3 97.0 97.0 97.9 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98				79.7		3			3	*	;	84.0				84.2
15.6 69.4 77.2 62.9 66.8 87.6 86.2 88.4 88.4 88.8 88.8 88.8 89.0 89.0 89.0 89.0 89.0				80.9	3	3			2	3.	3	85.8	0			86.0
15.6 69.8 77.9 84.0 88.4 89.3 90.0 90.4 90.6 90.6 90.6 90.8 91.0 91.0 91.0 91.0 92.3 52.3 50.0 15.6 69.9 78.4 84.8 69.4 90.5 91.6 91.6 92.0 92.1 92.1 92.3 92.3 92.3 50.0 15.6 70.2 78.4 84.8 69.4 90.5 91.2 91.6 91.6 92.0 92.1 92.1 92.3 94.3 94.3 94.3 94.8 95.1 95.1 95.5 95.5 95.5 50.0 15.6 70.2 79.0 86.0 91.1 92.3 93.6 94.3 94.3 94.8 95.1 95.1 95.5 95.5 95.5 50.0 15.6 70.2 79.1 86.2 91.7 92.9 94.5 95.4 95.4 96.3 97.0 97.0 97.9 97.9 98.1 98.1 98.8 10.0 15.6 70.2 79.1 86.2 91.7 92.9 94.5 95.4 95.4 96.3 97.0 97.0 97.0 98.1 98.1 98.8 10.0 15.6 70.2 79.1 86.2 91.7 92.9 94.5 95.4 95.4 96.3 97.0 97.0 97.0 98.1 98.1 98.8 10.0 15.6 70.2 79.1 86.2 91.7 92.9 94.5 95.4 95.4 96.3 97.0 97.0 97.0 98.1 98.1 98.1				2.								88.8				89.0
200 15.6 69.9 78.4 84.8 89.4 90.5 91.2 91.6 91.6 92.0 92.1 92.3 92.3 92.3 52.3 50.1 15.6 70.2 78.7 85.7 90.7 91.8 92.2 93.2 93.8 94.0 94.0 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.8 95.1 95.1 95.5 95.5 95.5 30.0 15.6 70.2 79.0 86.0 91.1 92.3 93.6 94.3 94.8 95.6 96.1 95.1 95.5 95.5 95.5 30.0 15.6 70.2 79.1 86.2 91.7 92.9 94.5 95.4 95.4 96.3 97.0 97.0 97.9 97.9 98.1 100 15.6 70.2 79.1 86.2 91.7 92.9 94.5 95.4 95.4 96.3 97.0 97.0 98.1 98.1 98.8 10.0 15.6 70.2 79.1 86.2 91.7 92.9 94.5 95.4 95.4 96.3 97.0 97.0 98.1 98.1 98.8 10.0 15.6 70.2 79.1 86.2 91.7 92.9 94.5 95.4 95.4 96.3 97.0 97.0 98.1 98.1 98.8 10.0 15.6 70.2 79.1 86.2 91.7 92.9 94.5 95.4 95.4 96.3 97.0 97.0 98.1 98.1 98.8 10.0 15.6 70.2 79.1 86.2 91.7 92.9 94.5 95.4 95.4 96.3 97.0 97.0 98.1 98.1 98.8 10.0 15.6 70.2 79.1 98.2 91.7 92.9 94.5 95.4 95.4 96.3 97.0 97.0 98.1 98.1 98.8 10.0 97.0 97.0 98.1 98.1 98.8 10.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 9				*	8		0	0	0		90.06	8006	-	1	:	91.0
200 15.6 70.2 78.7 85.7 90.7 91.8 92.7 93.2 93.8 94.0 94.0 94.3 94.3 94.3 94.3 34.3 34.3 94.3 34.3 3				4	6		=	:	:	2	1.26	92.1	2	92.3	92.3	92.3
15.6 70.2 79.0 86.0 91.1 92.3 93.6 94.3 94.8 95.1 95.1 95.1 95.5 95.5 95.5 95.5 95.5			18.1		3		2			0		*			94.3	94.3
100 15.6 70.2 79.1 86.2 91.7 92.9 94.5 95.4 95.4 96.3 97.0 97.0 97.9 98.1 98.6 10.1 10.1 15.6 70.2 79.1 86.2 91.7 92.9 94.5 95.4 95.4 96.3 97.0 97.0 97.0 97.9 98.1 10.1 15.6 70.2 79.1 86.2 91.7 92.9 94.5 95.4 95.4 96.3 97.0 97.0 98.1 98.1 98.6 10.1 15.6 70.2 79.1 86.2 91.7 92.9 94.5 95.4 95.4 96.3 97.0 97.0 98.1 98.1 98.8					-		3	;	;	4	95.1		2	3	3	95.5
200 15.6 70.2 79.1 86.2 91.7 92.9 94.5 95.4 95.4 96.3 97.0 97.0 97.9 97.9 98.1 100 15.6 70.2 79.1 86.2 91.7 92.9 94.5 95.4 95.4 96.3 97.0 97.0 96.1 98.1 98.6 0 15.6 70.2 79.1 86.2 91.7 92.9 94.5 95.4 95.4 96.3 97.0 97.0 98.1 98.1 98.8					=		;		*	2				•		
100 15.6 70.2 79.1 86.2 91.7 92.9 94.5 95.4 95.4 96.3 97.0 97.0 98.1 98.1 98.6 0 15.6 70.2 79.1 86.2 91.7 92.9 94.5 95.4 95.4 96.3 97.0 97.0 98.1 98.1 98.8				•	-		•	2	3	. 9		-	1.		8	
0 15.6 70.2 79.1 86.2 91.7 92.9 94.5 95.4 96.3 97.0 97.0 98.1 98.1 98.8					-			2	3	2		•	•		9.0	_
					:		*	•	2	0				8	8.0	8

0

0

0.

0

TOTAL NUMBER OF OBSERVATIONS

1240

3888

SMOS DIRNAVOCEANMET

3

0

0

93107

O see

27.3

26.

27.3

28.0

28.7

30.0

50.0

63.3

35.3

34.0

AI AI

AI AI

ALA

AI AI

43.3

26.

26.

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

MIRAMAR, CALIFORNIA STATION NAME

93107

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

200

27.3 28.0 43.3 67.3 20.0 0.49 0.98 35.3 75.3 84.0 7.3 7.82 30.0 31.3 63.3 26.7 27.3 28.7 34.0 26.7 26.7 32.7 26.7 26.0 26.7 26.7 26.0 26.0 26.0 26.0 26.0 26.0 27.3 28.0 26.0 26.0 28.0 26.0 26.7 29.3 26.0 26.7 32.0 66.3 30.7 33,3 42.7 63.3 87.3 62.7 66.7 74.7 83.3 34.7 2 5/16 26.7 0.92 27.3 32.0 28.0 28.0 25.3 26.0 26.0 26.0 26.0 26.0 26.0 26.0 26.0 26.0 83.3 26.0 26.0 29.3 29.3 33.3 87.3 30.7 42.7 49.3 63,3 26.7 26.7 34.1 62.7 66.7 74.7 26.7 26.7 26.7 26.7 26.7 26.7 AI 27.3 28.0 32.0 49.3 28.0 42.7 30.7 33.3 83.3 62,7 66.7 63.3 34.1 14. AI 28.0 28.0 28.0 28.0 29.3 42.7 25.3 25.3 26.0 26.0 26.0 26.0 26.0 25.3 26.0 26.0 26.0 26.0 26.0 26.0 26.0 26.0 66.67 62.7 27.3 27.3 27.3 27.3 27.3 32.0 32.0 33.3 34.7 34.7 66.7 83.3 26.0 26.7 26.7 26.7 26.7 26.7 30.7 30.7 30.7 63.3 63,3 63,3 26.7 26.7 26.7 87.3 87.3 ۸I 29.3 29.3 62.7 33,3 49.3 42.7 66.7 74.7 83.3 ~ VISIBILITY (STATUTE MILES) 32.0 25.3 26.0 26.0 26.0 83.3 33.3 87.3 66.3 34.7 42.7 62.7 14.7 66.7 25.3 26.0 26.0 26.7 26.7 26.7 71 28.0 32.0 25.3 26.0 26.0 27.3 27.3 28.0 28.0 29.3 6.64 30.7 30.7 26.0 26.0 33,3 63.3 63.3 83.3 62.7 87.3 66.7 26.7 26.7 42.7 34.7 74.7 6.65 87.3 83.3 32.0 22.0 24.0 26.7 27.3 27.3 28.0 29.3 33.3 74.7 33.3 34.0 34.0 34.7 42.7 62.7 1.99 ۲ ۱۸ 85.3 30.0 05.0 31.3 32.7 25.3 26.0 26.0 26.7 45.0 65.3 61.3 48. 28 2 2% 62.7 62. 5.3 24.7 26.7 29.3 30.0 6.0 26.0 28.0 30.7 31.3 32.7 62.0 73.3 81.3 25.3 26.0 45.0 24.7 25.3 24.7 25.3 48.7 58.0 64.7 65.3 24.7 28.7 26.0 26.7 ٨١ 32.0 41.3 61.3 7.3 50.0 57.3 62.0 72.0 48.0 25.3 28.0 4.0 22.0 24.0 26.7 24.1 82. 4 23.3 68.0 29.3 56.7 11.3 63.3 22.7 30.7 22.1 22.1 22.7 22.7 36.0 38.7 22.7 ٠ ۱۸ 45.0 22.0 27.3 23.3 50.0 54.0 20.7 28.7 50.7 20.7 20.7 21.3 20.7 20.7 20.7 20.7 20.7 6.1 0.4 7.0 4.0 2. 5.4 .3 . 4.0 .3 5.4 6.7 6.7 7.3 . NO CEILING (FEET) 2 20000 VI VI 0009 1 VI 0009 Y 14000 900 900 3000 2000 800 1200 88 88 2 80 2 00 2 00 3 00

AI AI

AI AI

AI AI

TOTAL NUMBER OF OBSERVATIONS

150

92.0

91.3 92.0

91.3

91.3

61.3

91.3 91.3

91.3

91.3

88.0

54.7

. .

88

80

88

92.0

92.0

92.7

92.0

0.46

93.3

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10 40 AUG

CEILING							VISI	VISIBILITY (STATUTE MILES)	TUTE MILE	(\$						
(FEET)	2	o Al	\$ 1	7	10	≥ 2%	2 4	12	7	-	2 Al	* 11	2 11	2 5/16	N AI	0 11
NO CEILING	4.7	12.7		*	14.7	14.1	14.7	3	14.7	14.7	14.1	1401	14.1	-	14.7	14.7
> 20000	4.7	12.7	14.0	14.0	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
	4:1	12.7	:	0	14.1	14.	14.7	14.7			14.1	14.1		7.7	14.7	14.7
N 14000	4.7	12.7	:			14.7	14.7	14.7	14.7	14.7	14.7		14.7	-	14.7	
	4.7	12.7	*	14.0		4	•			14.7	14.1	14.1		14.1	14.7	4
> 12000	4.7	13.3				15.3					15.3	15.3		15.3	•	15.3
	4.7	13.3	14.1	14.	15.3	5			13.3		15.3	15.3		15.3	15.3	5
0006	4.7	13.3	14.7	14.7	15.3		15.3							15.3		15.3
	4.7	14.0	15.3	15.3	16.0	0		•	16.0	c	16.0		•			16.0
7000	4.7	14.0	15.3	5.3			16.0		16.0	16.0		16.0	16.0	16.0		16.0
	4.1	14.0	15.3			0			•	9	0		0	16.0	0	16.0
2000	4.7	14.0	15.3	13.3			16.0			ò						16.0
		14.0				C		0			0	9	•			16.0
141		14.7	16.0	16.0					16.7		16.7				;	0
1		15.3	•	1001		17.3						-	-			17.3
3000	5.3	16.7	18.0	18.0	18.7	00		8		0	8	18.7		•	8	18.7
	0.0	19.3	0	20.7	21.3	21.3	21.3				-	21.3	-	21,3		21.3
2000	6.7	22.7	;	54.0		*	*		*	. 4	;		;	*	;	24.7
	6.7	24.0	2.			26.0		0		9			0	0	0	0
1500		30.0	5		5.	5.	2	5	5.	2	2.	N	5.		3	32.7
	7.3	36.0	00	38.0		T.	38.7	0	00	00	1	80		38.7		00
V 1000	7.3	45.0	-	49.3	20.0	50.7	0	50.7	20.1	C	50.7		50.7	50.7		50.7
	7.3	43.3	23	-		N	52.7	2	5	2.	52.1		2	2	52.7	52.7
008 Al	7.3	45.3	51.3	26.0			8		8		00	æ	3	58.	8	58.0
	1.3	46.0	55.3	C	2.	3		63.3			-	63.3	63,3	0	63.3	63.3
8	7.3	47.3	28.0	65.3	-	00		*	00					68	œ	0.89
	7.3		62.7			9	0	9	9	0	0					
V 400	7.3	48.7	62.7	•	6	0000			-	N	82.0	2			82.0	85.0
38			62.7	74.0	80.7	81.3			82.7	84.7		84.7			84.7	84.7
1 200	.3	48.1	050			4	3		2		0		28.	- 1		88.7
VI .	2.5	48	62.1	14.1	0.40	\$ 0 X	86.0	86.0	86.0	1000	616	610	7.0	91.3	92.0	92.7
		1.04	1090	1001	3		0		5	0	:		41.5			1000

150

TOTAL NUMBER OF OBSERVATIONS

80 B

CEILING VERSUS VISIBILITY

25.3 25.3 26.0 26.0 26.0

26.0 26.0

25.3 25.3 25.3

7

٨١

۷۱ ۲۰

٨١

1

2

(FEET)

NO CEILING ≥ 20000 16.0

16.0

0.4 4.0 4.0

> Y 1400 VI VI 000 000 000 000

16.0 16.7

> 0.4 0.

> > 980 900

AI AI

VISIBILITY (STATUTE MILES)

150

07

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

200

26.0 26.0 26.0 26.0

26.0

25.3 25.3 25.3 26.0

25.3 25.3 25.3

17.3 20.0

10

4500

AI AI AI AI

16.7

AI AI

9

3

8.7

3000

26.0 26.0 26.0 26.0 26.0 26.0 26.0 25.0 26.0 26.0 27.3 27.3 27.3 27.3 28.0

32.7

36.0

37.3 37.3 37.3 37.3 37.3

0.84

48.0 48.0 48.0

40.0

6.1

500 900

0.1

36.0 36.0 36.0 36.0

32.7 32.7

32.0 32.7 32.7

30.0 35.3

10

2000

14 14 AI AI

28.0 28.0

28.0 33.3 36.7

36.7

36.7

48.0 48.0 36.0 36.0

62.0 51.3 0.09 51.3 0.09 48.7

05.0

0000

59.3

61.3 61.3 61.3 61.3

59.3 59.3

58.7 59.3

50.7 50.

500

75.3 050

81.3

0.06

14.7 80.7 86.7

4.

71.3

0.09

50.0

6.7 000

88

11 11 AI AI

40.0

0.04

88

0.00

80

88

AI AI

50.00

49.3 56.

0.04 0.04 40.04

88

0.04 0.00

6.7 1.0

11 11 11 11 80.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

MIRAMAR, CALIFORNIA

93107 STATION

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CALIFORNIA

MIRAMAR

93107

2

1

NO C 0

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

9000

AI AI

7000 2000

AI AI

0

ALAI

4500

AI AI

3000

11 11

2900

A1 A1 ALAI

1500

88

11 11 11 11

88

88 88

AI AI AI AI 88

AI AI

¥ 20000

(9)

150

76.0 0.00100.0100.0100.0100.0100.0100.0100.0100.0100.0100.01 100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0 70.7 .89 80.7 O Al 68.0 66.3 0.26 0.96 99.3 16.0 79.3 68.7 68.7 58.7 7007 88.7 58.7 80.7 68.7 0.86 68.0 7007 19.3 99.3 68.7 0.26 86.3 0.91 68.7 68.7 68.7 68.7 68.7 68.7 68.1 80.1 68.7 08. 2 5/16 0.36 79.3 68.0 0.0 6.66 68.7 99.3 99.3 68.7 80.7 68.7 68. 68.7 68. AI 0.26 98.0 66.66 0.89 0.89 70.7 79,3 6.9 68.7 68.7 68.7 16.0 88.7 68.7 80.7 \* 0.26 0.86 76.0 99.3 99.3 99.3 99.3 99.3 68.7 68.7 68.7 70.7 99.3 99.3 99.3 99.3 68. 68. 68. 88.7 88.7 68. 92.0 92.0 92.0 70.7 98.0 98.0 98.0 68.7 680 68.7 68.7 68. 68. . 89 80.7 80. 68. 68 AI VISIBILITY (STATUTE MILES) 70.7 79.3 88.7 76.0 67.3 67.3 68.0 68.0 68.7 68.7 68.7 68.7 68.7 68.7 68.7 58.7 ¥ 21 19.3 0.01 80.7 88.7 70.7 68.7 68.7 58.7 68.7 1.89 68.7 68.7 68.7 7 92.0 0.86 79.3 0.89 68.7 70.7 80.7 6.66 68.7 69.7 58.7 16.0 88.7 68.7 67.3 68.7 68.7 58.7 91.3 19.3 0.91 0.96 68.7 96.0 67.3 88.0 68.7 70.7 80. 68 68.7 68 ¥ 2½ 68.7 68.7 70.7 16.0 61.5 0.96 0.96 68.7 29.3 88.0 68.0 95.3 96.0 96.0 58.7 0.96 0.00 68.7 68.7 64.7 68.7 68.7 80.7 68. 64.7 66.7 86.0 0.49 74.7 86.7 86.7 46.0 65.3 72.0 16.0 64.7 64.7 82.0 64.7 86.7 1.49 64.7 71.3 86.7 86.7 1.49 64.7 86. 94. 58.0 58,0 67.3 28.0 58.0 58.0 52.7 74.0 57.3 58.0 53.3 76.0 58.0 90.09 58.0 58.0 1.09 56.7 VI VI 38.7 38.7 36.7 38.7 40.7 48.0 53.3 53.3 53.3 6.7 38.7 38.7 38.7 48.7 AI 8.0 0.0 6.7 6.7 6.7 6.1 6.7 10.7 10.7 6.7 5.7 6.1 10.7 10.7 10.1 10.7 1001 10.7 0 10.7 10.1 10.7 0 0 NO CEILING (FEET) VI VI 00091 00091 Y 1400 1 2000 80

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY 5703

84.0

84.0

84.0

0.48

84.0

84.0

80.0

16.7 16.7

V 1400

9000

AI AI

6.1

1.91 10.7

800 7000

AI AI AI AI

16.7

VI VI 0008 0008 0008

92.0 92.

84.0

84.0

89.3 0.26

92.0

92.0

91.3

7.06

7.96

86.0

20.02 20.0

1500

87.3

86.0 86.

83.3 88.0

80.0

18.7

2500

AI AI AI AI

18.7

3000

AI AI

16.7

4500 400 600

AI AI

1.91 16.7

1001 16.7

9000

69.3

63

80.0 82.7

78.7

66.66

98.0 99.3

0.46

20.7

1200

AI AI AI AI

20.7

66.3

73.3

20.7

38

AI AI

20.7

20.7

88

20.7

88

80

73.3

20.7

88

99.3100.0 99.31100.0

99.3100.0

150

TOTAL NUMBER OF OBSERVATIONS

SMOS

DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

216

AI

٨I

2 5/16

AI

X N

۲ı

VI N

41

2

(FEET)

NO CEILING

VISIBILITY (STATUTE MILES)

13 HOURS (1 5 7 )

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

#### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 73-77

16 SOUTH WOMEN

				70:			LII										200	N 71																
O AI		80.7	84.0	84.0	84.0	84.0	84.0	84.0	4	2	0	0 . 49	0.48	84.0	84.0	84.0	84.0	86.7	88.7	90.7	0.26	98.0	66.3	866	66.3	99.3	0000	0.00	0000	0000	0.00	0000	0000	0000
A		1008	34.0	84.0	84.0	84.0	84.0	86.0		2 4 4	0	84.0	84.0	84.0	84.0	84.0	84.0	86.7	88.7	2006	0.76	98.0	66.3	66.3	66.3	86.3	00.00	00.0010.00	10.0010	00.0010.0010.00	0000	00.00	0000	0100.00
> 5/16		200	84.0	0.48	84.0	84.0	84.0	64.0		- 1	0000	0.48	0.49	84.0	0.48	84.0	0.49	86.7	88.7	2006	0.76	0.86	66.3	66.3	86.3	66.3	00.00	00.00	00.00	00.00	00.00	00.00	00.00	100.001
22	:	200	84.0	0.48	94.0	0.08	84.0	86.0		2		0. 48	0.40	84.0	0.48	84.0	84.0	86.7	88.7	40.4	0.76	0.86	66.56	66.66	66.3	66.3	00.00	00.01	0010.00	00.01	0100.00100.00100.0010	0100.0100.0100.0100	10.00	0100.0010
*		200	84.0	0.49	84.0	0.48	84.0	0.40		2 4 7 7	0	0.0	0.00	84.0	0.48	84.0	0.00	-	68.7	1006	0	0	-	.3	. 3	66.66	00.00	00 00	10.00	00.00		00.00	00.01	0100.01
X Al		100	84.0	0.48	84.0	84.0	84.0	0.08		- 14	0	84.0	0.48	84.0	84.0	84.0	84.0	1.98	68.7	1.06	0.26	0.86	66.3	66.3	66.3	66.3	00.01	00.00	00.01	0100.0010	0100.01	00.01	00.01	0100-01
A1		80.1	84.0	0.49	84.0	0.40	84.0	4			•	84.0	0.48	84.0	0.49	84.0	84.0	86.7	88.7	40.4	92.0	98.0	66.3	66.3	66.3	66.3	00.01	0000	10.00	0000	00.01	0100.0100.0100.0100.0100.0100		0000
71		80.1	84.0	0.48	84.0	54.0	84.0	86.0	84	200	0.00	84.0	0.49	84.0	84.0	94.0	84.0	86.7	88.7	1.06	0.26	0.86	66.66	99.3	66.3	66.3	10.00	0100.01	0100.0010	.0100.0100.0100.0100.	0100.0100.0100.0100	00.00	00.00	00.00
71 72		80.7	84.0	0	84.0	84.0	84.0	3	48		2	0.49	8.0	84.0	0.49	84.0	0.48	86.7	88.7	1.06	0.26	0.86	99.3	8.66	66.3	66.3	00.01	00	00.00	00.00	00.00	00.00	00.00	00.00
7		80.7	84.0	84.0	84.0	0.98				0	5	0.48	0.48	84.0	84.0	84.0	0.48		58.7	1006	92.0	98.0	66.3	66.3	6.66	88.3	0000	01000010	0100.0010	100001	0000	00.00	0100.0010	0010-00
> 2%		80.1	84.0	0.48	84.0	0.00	84.0	84.0	84		2	0. 39	0.38	0.48	84.0	84.0	84.0	86.7	68.	106	0.26	98.0	66.3	66.3	66.3	66.3	00.00	3100.01		.3100.01	3100.0	3100.01		10000
N AI		78.7	82.0	82.0	82.0	82.0	82.0	1		3 5	V	85.0	82.0	82.0	82.0	82.0	82.0	84.7	86.7	38.7	89.3	65.3	1.96	1.96	1.96	1.96	97.31	47.3	97.3	97.3	6.16	97.3	1.3	97.3
*		0.01	78.7	78.7	78.7	78.	78.7	78.				78.7	18.	78.7	78.7	78.7	78.	81.3	83.3	85.3	0.98	95.0	93.3	93.3	93.3	93.3	0.96	0.46	0.96	0.76	0.46	0.46		0.76
41		73.3	76.0	76.0	76.0	16.0	76.0	10.0	74	2	0	76.0	0.9/	76.0	10.0	76.0	76.0	78.7	80.	82.7	83.3	89.3	100	7.06	40.1	1.06	1.06	1006	1.06	40.7	1.06	2006		7.00
A	. 1	0.0	71.3	71.3	71.3	11.3	71.3	*	7: 2			71.3	11.3	-	-	-	11.	-	-	78.0	-		82.	82.7	62.7	82.7	92.7	82.7	82.1	82.7	62.1	82.7	1.29	82.7
01		18.7	18.7	18.7	18.7	16.7	18.7	18.7				18.1	18.7	19.7	18.7	18,7	18.7	20.7	21.3	22.0	22.0	22.7	22.7	22.7	22.7	22.7	22.7	22.7	24.7	22.7	24.7	22.7	1577	22.7
(FEET)		O CEILING	× 20000	V 18000	14000	2 14000	12000		988			7000	1	2000	1	000	1	300	1	7 2000		180	1	000	906	8	200	8	8	141	85	8		0

TOTAL NUMBER OF OBSERVATIONS

150

3

3

DIRNAVOCEANMET SMOS

0

0

0

MIRAMAR, CALIFORNIA

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

MIRAMAR, CALIFORNIA

93107

0

0

0

0

0

0

0

0

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

200

=

61

	0 1 3 1 9	0 000 0000	7 64.7 64.7	.7 64.7 64.7	.7 64.7 64.7	7 64.7 64.7	.3 65.3 65.3	0.99 0.99 0	0	0.99 0.99 0	7 66.7 66.7		7 66.7 66.7	7 66.7 66.7	7 66.7 66.7	7 66.7 66.7	€ 9 6 9 . 3	0 72.0 72.0	0.47 0.47 0.	16.0	.0 82.0 82.0	-	0	3 97.3 97.3	.01	100.001	0100.0010	0100.0010	0.0010.0010	0100.0100.0	0.000	010.0	0100.00100
	2 % 2 8/16	09 0.09	64.7 64.	64.7 64.	64.7 64.	64.7 64.	65.3 65.	66.0 66.	99 0.99	0	66.7 66.	66.7 66.	2.4	66.7 66.	66.7 66.	0.10	69.3 69.	72.0 72.	74.0 74.	0.0 76	2.0 82	1.3	96.0 96.	97.3 97.	100001	100.001	100	-	6	0	100.0100	0.0	100.00100
	* 11	0.00 000	4.7 64.7	4.1 64.	4.7 64.7	4.1 64.1	5.3 65.3	2.0 66.0	0	000	. 1	5.7 66.7			5.7 66.7	10	9.3 69.3	2.0 72.0	6.0 74.0	.0.	2.0 82.0		0.96 0.9	1.3 97.3	.00100.	.0010.	0.0010.0	6	0.0010.0	0.0100.0	0.0100.0	001000	0.0010.0
(53)	A1	9 0.09	0 64.7 6	0 64.7 6	1 64.7 6	64.7 6	65.3 6	99 0.99	9 00099	99 0.99	66.7 6	0 66.7 66	66.7 6	66.7	0 66.7 60	66.7 6	09.3 6	72.0 7.	74.0 7	2 0.9	2.0 8	33		97.3 9	100.0100	10000	1000.0100	1000,0100	100.0010	100.0100	100.010	100.001	
VISIBILITY (STATUTE MILES)	21 5 21%	.3 59.3	0.49 0.	0.49 0.	0.49 0.	0.49 0.	.7 64.7	.3 65.3	.3 65.3	.3 65.3	0.99 0.	0.99 0.	0.99 0.	0.99 0.	0.99 0.		.7 68.7	.3 71.3	.3 73.3		.3 81.3	.7 86.7	.3 95.3	.1 96.7	.3 99.3	.3 99.3	.3 99.3	.3 99.3	.3 99.3	.3 99.3	. 3 77.3	3 77.3	3 77. 1
VISIBILITY	1 2 X	59.3 59	63.3 64	63.3 64	63.3 64	63.3 64	49 0.49	64.7 65	64.7 65	64.7 65	65.3 66	65.3 66	65.3 66	65.3 66	65.3 66	.3 6	68.0 68	70.7	72.7 73	74.7 75	80.7 81	86.0 86	94.7 95	96 0.96	0	6 1 . 3	98.7 99	8 . 7 9	98.7 99	66 1.86	98.7 99	28.7.99	10 1 ac
	1 2%	7.86 7	0 62.7	0 62.7	0 62.7	0 62.7	7 63.3	9 64.0	9 64.0	9 64.0	1.49 0	1.79 0	1.49 0	0 64.1	0 64.7	0 64.7	7 67,3	3 70.0	3 72.0		3 80.0	1 85.3	7 93.3	1.76 0	7 97.3	7 97.3	7 97.3	7 97.3	7 97.3	7 97.3	21.00	21.5	1 31.3
	7	8.0 58	0.7 62.	0.7 62.	0.7 62.	0.7 62.	1.3 62.	2.0 63	2.0 63.	2.0 63.	2.7 64.	2.7 64.	2.7 64.	2.1 64.	2.7 64.	2.7 64.	5.3 66.	8.0 69.	0.0 71.	0.	8.0 79.	3.3 84.	0.7 92.	2.0 94.	3,3 96.	3.3 96.	3.3 96.	3.3 96.	3.3 96.	3.3 96.	3.3 96.	3.3	96 5 6
	\$ 41	56.7 5	59.3 6	59.3 6	59.3 6	59.3 6													68.0 7	10.01	76.07	80.7	36.7	88.0	88.0	0.88	0.88	0.88		38.0			
	41					54.	55.	7 55.	55.	7 55.	3 56.	56.	56.	3 56.	₹ 56.	3 56.	. 58.	0 61.	3 63.	€ 95.	€ 10.	3 14.	€ 18.	3 80.	3 80.	3 80.	3 80.	600	800	3 80.1	80.	0	0
CEITING	1 N	0	2 20000 12	-	16000 12	+	12000 12	12	9000 12	12	7000 13.	13	5000 13	-	4000 13.	-	3000 14 .	+	2000 15	1800	1500 15	1200 15.	1000 15.	15.	800 15	700 15.	600 15	-	400 15	300	15	2 .	_
1	(FE	NOC	V)		IAI		1 41	1	IAI	1	IAI	1	I AI	1	IAI	1	IVI	1	1 11	1	AI.	1	AI	AI	AI	Al	A	A	A	AI	AI	ΑI	,

150

TOTAL NUMBER OF OBSERVATIONS

0

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

93107

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22 HOURS (1.5.7.) S C C

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	(5)						
(FEET)	5	9	81	1	6 VI	> 2%	1 A	V1 7/2	¥1 Y	-	% Al	*	N X	2 5/16	AI .	0 11
NO CEILING	3	38.0	42.1	43.3	43.3	43.3	43.3	43.3	3	43.3	43.3	43,3	43.3	43.3	43.3	43.3
≥ 20000	1	38.7	44.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	1.44	44.7	44.7	44.7	44.7	44.7
	1	38.7		44.1	44.7	44.	44.7	1.44	44.7	44.	44.	44.	44.7	44.1	44.1	44.1
14000	7.3	38.7		44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
	200	38.7		44.1	44.1	44.	44.7	44.7	44.7	44.7	44.1	44.7	44.7	44.7	44.7	44.1
7 12000	a	39.3		45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
1	1.3	39.3		45.3	45.3	45.3	43.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
0006	3	39.3		45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
	3	39.3		6.5.3	45.3	45.3	3.		2	45.3	43.3	45.3	45.3	45.3	45.3	45.3
1 1 1	7.3	39.3		45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
1				65.3	43.3	45.3	5		0	45.3	45.3	45.3	45.3	45.3	45.3	45.3
2000		39.3		45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45,3	45.3	45.3	45.3	45.3
				40.0	46.0		.0			46.0	46.0	0.94	40.0	46.	0.95	46.0
000	7.3	40.0		46.0	46.0	46.0	0.95	46.0	46.0	46.0	0.95	46.0	46.0	0.94	46.0	46.0
		40.		46.1	46.1	1.95		40.		46.7	46.1	46.7	46.1	46.7	46.7	40.7
3000	8.7	41.		47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
		41.	1	41.3	47.3		47.3				47.3	47.3	47.3		47.3	
7 2000		**		50.0	20.0	20.0	50.0	20.0	0	20.0	50.0	20.0		20.0	20.0	50.0
		**		20.7	50.7			50.7		0	50.1	2001	50.7	0	20.1	
1500		40		56.0	56.0	26.0			26.0	26.0	26.0	26.0	20.0	26.0	26.0	26.0
		55.		64.	65.3	65.3	3				65.3	65.3	65.3	65.3	65.3	65.3
000		•09		74.0	;	•	75.3	75.3		75.3	75.3	75.3	75.3	75.3	75.3	75.3
		62.		77.3		78.0			78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
8		.99		83.3	84.7	84.7	85.3	85.3	2	•	85.3	85.3		85.3	85.3	85.3
		67.	1	89.3			6103	611.3	91.3	91.3	91.3	91.3				91.3
8				89.3	91.3	92.0	7.26	92.7	2.	92.7	92.7	92.7	92.7	92.7	92.7	92.7
		68.0		1.06		93.3	0.46	0.96	4	0.76	0.46	0.76	0.46	0.76	0.46	0.46
8				95.0	4	7.46	95.3	65.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
				92.0	0.46	24.	6993	62.3	•	0.96	0.96	0.96	0.96	0.96	0.96	0.96
300	6.3		83.3	92.0	0.46	1.56	95.3	95.3	65.3	96.0	1.96	196.1	96.7	196.7	46.7	96.7
		68.7	83.3	92.0		1.56	95.3	95.3			1.96	1.96	46.7		:	98.7
١٨١	6.3	68.7	83.3	92.0	0.76	34.7	98.3	65.3	95.3	0.96	1.96	196.1	96.7	96.7	97.3	0000

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

73-77

ALL

JUN.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO CEILING	4 10								111					A 4/14		
NO CEILING	2	۵ Al	S)	4	M Al	1 2%	,	2	•	_ ^I	¾ Al	*	2	0 / 0	× 1	٨١
> 20000		3					6	49.1		6	6	6.6		6.64	-	49.4
	-	3		48.7		0	-	51.1	51.1	51.2	-	51.	51.3	51.3	51.3	\$1.4
	-	3		48.1		0	:	-		-	-	51.	-	-		51.4
14000	-	3		9.84		50.8	51.1	51.2	51.5	51.3	-	51.	91.3	-	51.4	51.5
	-	3		48.8			1	-			-	51.		-		51.6
17000		-		49.2			:		51.6	51.7	-	51.		-		51.9
		-		€ 69		-				-	-	51.		-		52.0
141	-	-		66.3				51.7		-	-	51.		-		52.0
1	1 -	00		5.69		-	-	-		2.	2	52.		2		52.3
1 1 1	9.6	-		9.64	51.3	51.7	51.9			52.1	52.1	52.	52.2	52.2	52.3	52.3
1	1 -	0		9.64		-	1:	2.		2	2.	52.		2.		52.3
2000	_	0		49.7		-	2	2		2	2	52.		2.		52.4
1	1 -	2		8.64		-	2.	2.		2	2	52.		2		52.6
1 4000	_	100		50.0		~	2	2.		2	2.	52.		2.		52.8
1		-		50.3		2.	2.	2.		2.	2	520		2.		53.1
3000	-	-		52.3			;	;				54.		;	84.9	55.0
	-	N		54.4			1	-		-		57.				57.7
7 2000	_	3		57.4		6	6	6		ċ	0	9		0		6003
1	1 -	-		58.8		-	-	-		-	-	610		-		61.7
1300	-			65.1		-	8				00	689				68.6
	1 -	4		2.69			2			2.	2.	72.		2.		72.9
1000	-	N		15.4		0	. 6	0		0	0	80				80.3
	1 -			16.1			-					8		-	81.6	81.7
80	-	-				3	*			4	*	84		;	;	
	-	0		•	5	0				-	-	0.70	8	8	8	88.2
8	-	2.3		85.8	1.		0				0	06	0		0	
	1 -	2.7			6	0	2.	2.			3	93.		3		93.3
94	-	2.8			0	-	*				*	94.	3	5	3.56	95.3
	-	2.8		5	0					5	5	68	5	5		96.2
> 200	12.5	62.8	76.5	85.1	0.16	N		6.96	95.1	96.2	36.5	60.5	6.96	6006	~	97.3
-	12.5	2.8			-	4.26	9056			\$	•	9	:	97.5		98.5
0	7	2.8			-	2	*	3			9	9	-	-		0000

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET SMOS

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

3 0

Ĩ

HOURS (L S T

31.0 25.2 25.2 25.2 30.3 30.3 65.2 30.3 36.8 27.7 29.7 30.3 30.3 30.3 30.3 60. 29.0 29.0 29.0 29.0 29.7 29.7 29.7 30.3 45.2 0.09 64.5 75.5 85.2 25.2 25.2 25.2 25.2 27.1 27.1 29.7 36.1 24.5 29.7 29.7 80.7 24.5 29.7 Al 29.0 29.0 29.0 0.09 29.7 29.7 75.5 29.7 29.7 1.67 29.7 30.3 36.1 45.2 85.2 64.5 2 5/16 80.7 0.62 30.3 24.5 0.62 0.62 0.62 29.7 64.5 36.1 0.09 29.0 45.2 85.2 29.7 29.7 29.7 75.5 29.7 80. 29.0 29.0 0.67 29.0 0.09 24.5 27.1 29.7 29.7 30.3 36.1 75.5 29.7 85.2 29.7 1.67 29.7 45.2 64.5 80.7 ٨I 27.1 29.0 24.5 25.2 29.0 7.54 0.09 29.0 29.0 30.3 75.5 29.7 36.1 54.5 29.7 85.2 24.5 29.7 29.7 29.7 80.7 9.7 29.7 29.0 29.0 29.0 29.0 30.3 24.5 25.2 29.7 0.09 29.0 29.7 29.7 29.7 29.7 85.2 29.7 29.7 36.1 45.2 27.1 64.5 78.5 80. AI VISIBILITY (STATUTE MILES) 29.0 29.0 29.0 30.3 90.0 29.0 29.7 64.5 25.2 25.2 25.2 25.2 36.1 24.5 24.5 24.5 29.7 45.2 75.5 85.2 29.7 29.7 29.7 27.1 27.1 29.7 80.7 29.7 29.7 ¥1 ¥ 29.0 29.0 29.7 29.7 0.09 29.0 29.0 29.0 29.0 29.0 30.3 45.2 29.0 29.0 29.0 29.7 24.5 75.5 85.2 29.7 36.1 64.5 29.7 80.7 17 30.3 0.09 85.2 27.1 27.1 29.0 45.2 64.5 73.5 80.7 24.5 29.0 29.0 29.7 29.7 29.7 29.7 29.7 29.7 36.1 29.7 29.7 4 24.5 29.0 30.3 30.3 64.5 85.2 29.0 2.64 75.5 29.0 29.7 36.1 0009 29.7 29.7 29.7 80. 59. 29.1 27 29.0 27.1 29.0 45.2 24.5 25.2 29.0 29.0 24.5 60.09 75.5 85.2 29.7 36.1 24.5 29.7 29.7 64.5 80.1 29.7 29.7 29.7 28.4 29.7 ٨١ 28.4 28.4 34.8 25.8 28.4 58.7 65.6 82.6 25.2 28.4 23.2 25.2 28.4 25.2 25.4 25.8 29.0 63.9 72.0 27.7 78.1 27.7 23.2 23.9 27.7 24.3 27. 25.2 20.02 22.0 25.2 54.8 24.3 25.2 25.5 20.0 20.02 54.5 31.6 20.7 0.04 666.3 10.3 72.3 24.5 58.1 41 21.9 35.5 7.4 8.1 21.3 21.9 42.6 48.4 21.0 21.9 51.9 20.0 21.9 51.9 28.4 27.4 29.4 21.3 21.3 21.3 51.9 21.3 56.1 ۸۱ 2 AI NO CEILING CEILING (FEET) VI VI 00091 000091 Y 1 4000 3000 88 2 20000 900 000 000 2000 4500 4000 4000 88 88 2000 2000 8 8 AI AI

TOTAL NUMBER OF OBSERVATIONS

155

8.96

92.3 93.6

93.6

93.6

93.6 95.5

93.6

6.26

0.68

1.96

96.1

95.5

95.5 1096

90.96

8.96

1006

1.96

95.5

95.5

92.3

65.3

92.3 93.6

92.3

6.26

92.3

92.3

83.4

1001 76.1

0.00

88

AI AI

0.09

0.09

80

AI AI

0000

88

AI AI

0.09 0.09

155

TOTAL NUMBER OF OBSERVATIONS

## CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

I

CEILING								(31)	VISIBILITY (STATUTE MILES)	(2)						
(FEET)	21	۰ ۱۸	\$ 41	1	AI	2 2%	14 2	71 71	¥1 ¥1	-	¾ Al	*	2 11	≥ 5/16	VI N	1
NO CEILING		12.9	80	18.1	18.7							18.7	18.7		18	6.
≥ 20000		12.9		18.1	18.7	18.7	18.7	18.7		18.7	18.7	18.7	18.7		18	67
				18.1	18.7			18.7				18.	18.7		.8	19
00091 3		12.9	00	18.1	18.7			18.7		18.7		18.	18.7		18	19
		12.9		18.1	18.7		8					18.	18.7		18.	19
12000		13.6		18.7	19.4		6					19.	19.4	19.4	20	20
		13.6		18.7	19.4		6					19.	19.4	6	19.	20
8		13.6		18.7	19.4		6					19.	19.4		19	20
1		13.6	0	18.7	19.4	0	6					19.	19.4		19.	20,
1 1 1				18.7	19.4							19.	19.4		19	20
1		13.5	80	8	2	6	6		6	6	6	19.	0		6.	20
8		14.2		19.4	0		0			0		20.	20.0		20.	50
1		14.2	6	6	0	0	0		0	0	0	50.	0		20.	20
141		14.2	6	19.4	20.0	20.0	0	20.0	0	0	0	-	20.02		20.	20
1		14.8	0	0	0	0	0		0	0	0	500	0		20	21
3000		14.8	0	0	0	0	0		0	0	0	20.	0		20.	21
1		15.5		0	~	-	-		1	-	-	21.	-		21.	21.
7000		16.1	-	-	~	-	-		-	-	-	21.	~		21.	22
1		16.8	2	2.	3	*	3		-	-		23.	10		23.	23.
1 71		20.7			-	-	:		2		7	27.	~		27.	27
		27.1	3		2	7	3		3	*	;	34.	2		34.	
1 1 00		38.7		6	~	-	-		-	-	-	51.	-		51.	51.
		0.04		-	43	23	3		3		3	53.			53	
8		43.2	*		~	-	-		-	-	-	61.	-		61.	
		47.1		9	9	6	6		6	0	6	69	69.7		69	20
8		48.4		2	0	0	9			9		76,			20.	2
1		48.4		2.	0	0	0		0	0	0	80.	0		80	18
141		48.4			4	0	-		1	-	2	87.	-		87.	87
1		48.4	.0	8	-	6	0		0	-	:	91.			92.	92
38		4.8.4		78.1	88.4	0	91.6	91.6	91.6	92.3	92.3	92.	92.9	92.9	94.8	95
9		48.4	2000	1.87	88.4	•	-		-	2	5.				95	96
									•	•	•					

SOMS DIRNAVOCEANMET

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

HIRAMAR, CALIFORNIA

93107

73-77

07 100ms (1.5.7.) 3

2

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	7	-	4	7	*	F	7	100	3	-	~	F	4		*	*	*	0	9	3	-	-	-	9	5	2	*	-	-	2	4	0	0
Al		•	6	6		0	3			-										5	ė	-	9		99	2.	6	81.	-	95.	6	00	ò
-	-[		-	-	-	C	~		7	-	~	-	2			-	_		.0	-	-	-	_			-			7			2	5
Al	h	•	•			6		3	;		7	:		8		8			:	7	0	:		2	;	7	6	:	-	2	. 86		
2		-		4	*	-	2	10		-	~	1.	4		4				9		-				5					2	-	-	~
N AI	þ	0	6	19	19	0	3	-	26	27	27			20	00	00	00	•	-		0		0		•	~	0			38	98	86	98
S.	h	•,		6		6		6	.0		-	-		0		0			-	2.	0	-	•	7		7		-	1		4.16		1.
*		•-				6	23.2	5	26.5	-	27,1	-		8	8			6	31.6	2.	0		•		•				7.		8.46		•
N AI		•.	•	6	6	6		-		1:	-	1				8			-	2	0		;	2	9	7	8	0	-	2	94.8		;
1 AI		0	19.4	7 4	-	0		5		27.1			8	9	80	90	00	6	-	2.	0		9	2.	0	2.	00	0		2	34.5	4.	*
VISIBILITY (STATUTE MILES)	0	•	6	6	6	0		3	3			1.	1.		1		-	00	-	:	0		2	:		-	8	0		:	9116	:	-
NUTY (STA	- 14	•	•			0	3	2	3			1:	-	·	-	-	-		:	:	0		3	:	3	:		0		:	91.6	:	1.
VISIN Y	1	•	18.7					4		5			1.	4	-	-	:	:	0	=	6		*					80	-	3	85.8	3	3
12%		100	8	9	8	0	2	4	5		5	3.	9	9	9	9	0			.0	8	3		0	*		*	3	•		19.4	•	
6								9		*		2	2	5	3	5	3	9	6				3	0	3	2	2	*	•	9	16.8	0	0
A			18.1					3.		3		*	30	5	3	5	3	5	00	6		0	-			-			;		64.5		. 4
20	-	•			;		16.0	1 .	18.7	18.7	_		-							3	32.3			46.5					21.0		51.0	21.0	51.0
o Al							10.3	-		1	-	2.		2.	2	2.	2.			9	3	9	28.4	29.7	29.7	0	30.3	0	30.3		30.3	30.3	30.3
2		•				1.		1.		1.		4.		1.	-													•					. 7
CEILING (FEET)		NO CEILING	> 20000	18000	7 16000	1,000	12000	-	000		200	1	2000	1600	900	3500	3000	2500	2000	1800	1500	1200	1000	90	8	200	8	95	8	300	300		0

TOTAL NUMBER OF OBSERVATIONS

155

0000

DIRNAVOCEANMET SMOS

## NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

73-77 MIRAMAR, CALIFORNIA

10 100

> PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

93.6 83.9 83.9 83.9 83.9 83.9 87.7 0 11 83.9 83.9 82.6 83.9 83.9 83.9 87.1 10.4 63.9 8.96 98.1 4.66 77.4 82.6 83.9 83.9 87.7 93.6 4.66 4.66 76.8 1.86 76.1 81.9 7 82.6 83.9 4.66 83.9 93.6 4.66 4.66 83.9 63.9 98.1 95.6 83.9 8.96 76.8 77.4 6119 83.9 83.9 83.9 87.1 87.7 98.1 2 5/16 4.66 77.4 82.6 83.9 83.9 83.9 83.9 87.1 4.66 61.9 83.9 83.9 83.9 83.9 4.66 83.9 83.9 83.9 83.9 83.9 96.8 76.8 82.6 82.6 83.9 83.9 83.9 83.9 93.6 83.9 83.9 83.9 83.9 83.9 83.9 83.9 83.9 83.9 90.1 1.86 87.7 7 93.6 61.9 87.1 8.96 4.66 4.66 4.66 4.66 98.1 87.7 98.1 \* 93.6 82.6 1.86 83.9 83.9 78.1 82.6 82.0 83.9 83.9 96.8 96.8 81.9 81.9 83.9 83.9 98.1 83.9 83.9 87 k IA 93.6 4.66 76.8 4.66 4.66 40.66 87.1 98.1 87.7 98.1 ٨I VISIBILITY (STATUTE MILES) 77.4 93.6 4.66 82.6 83.9 83.9 8.96 4.66 81.9 82.6 82.6 82.6 83.9 87.1 78.1 83.9 1.86 83.9 83.9 83.9 1.86 83.9 83.9 83.9 83.9 83.9 87.7 77.4 77.4 4.66 4.66 82.0 82.6 83.9 93.6 83.9 83.9 81.9 83.9 96.8 76.8 83.9 87.1 98.1 4.66 98.1 78.1 87.7 7 7 83.9 9006 83.9 93.6 4.66 78.1 83.9 4.66 87.1 87.7 1.86 4.6 1.86 4.66 76.8 81.9 77.4 17.4 81.3 83.2 83.2 83.2 83.2 95.5 8.96 16.8 83.2 81.9 83.2 92.9 76.1 83.2 83.2 85.8 86.5 41.9 43.2 98.5 96.8 98.1 86.5 87.1 96.8 98.1 98 98.1 2 2% 77.4 83.2 83.2 83.2 65.3 8.56 93.2 83.2 83.2 8.06 90.8 8.96 8.96 8.96 76.1 81.9 83.2 83.2 96.8 81.3 81.9 95.5 76.8 N Al 71.6 76.8 17.4 77.4 81.9 87.1 0.68 89.0 72.3 72.3 72.9 89.7 78.7 78.7 18. 78.7 78.7 78.7 81.3 80.08 69.7 78.7 78. 78. 89 63 68 ٨١ 80.08 80.0 78.1 30.0 80.0 0.69 70.3 30.0 80.0 80.0 64.5 68.4 72.9 80.0 70.3 70.3 10.3 70.3 70.3 10.3 70.3 73.0 80.0 63.2 69.0 70.3 63.9 80.0 80.0 ۰۵ ۱۸ 57.4 57.4 57.4 57.4 52.3 57.4 57.6 0.09 0.64 55.5 57.4 0.09 63.9 54.5 64.5 52.3 56.1 64.5 64.5 64.5 64.5 64.5 64.5 64.5 56.1 64.5 04.2 04.5 ٨I 2 NO CEILING 80 CEILING (FEET) VI VI 8000 1 VI 0000 1 VI 14000 9000 2000 9000 450 400 400 400 3500 2500 500 ≥ 20000 99 88 88 88 88 AI ALAI VIVI MIM AIAI

TOTAL NUMBER OF OBSERVATIONS

155

93107

0

0

1386

## CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

73-77

13 5

3

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)
---

CEITING							VIS	IBILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	0 A	<b>9</b>	\$ 1	4	E AI	≥ 2%	2 4	V 1%	¥1 A1	- AI	× AI	≉ Al	Z Al	≥ 5/16	AI	0 1
NO CEILING			13.6	18.1	-	81.3	31.3	81.3	-	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 20000	3.5		77.4	85.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
			4.	82.0	3.	65.2	85.2	85.2	2.	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 16000			77.4	82.6	85.2	85.2	83.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
	3.5		7.8.1	83.2	65.8	85.8	85.8	85.8	5	85.8	85.8			85.8	85.8	85.8
2 12000	3.2		82.6	87.7	8006	90.3	90.3	8006	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
	3.2		83.9	69.0	916	91.0	9116	91.6	-	91.6	91.6	916	9116	91.6	91.6	91.6
0006	3.2		84.5	1.68	92.3	92.3	92.3	92.3		92.3	2.	92.3		92.3	92.3	92.3
	3.2		85.6	91.0	93.6	•	93.6	93.6		93.6	3	93.6		93.6	93.6	93.6
7000	3.2		85.8	91.0		93.6	93.6	93.6	3	93.6	93.6	93.6	93.6	93.6	93.6	93.6
1	3.2		85.8	91.0	3	93.6	93.6	93.6		93.6	93.0	93.6	93.6	93.6	93.6	93.6
2000	3.2		85.0	91.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
	3.2		85.0	91.0	3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
141	3.2		85.8	91.0	93.6	93.6	93.6	93.6	93.6	93.6	93.0	93.6	93.6	93.6	93.6	93.6
	3.2		85.8	91.0	3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
3000	3.5		85.4	91.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
	3.5		200	91.0	24.5	2.46	34.5	94.2	2.46	94.2	7.56	2006	34.5	34.5	34.2	94.2
7 2000	3.2		86.3	91.6	34.5	34.5	94.2	34.5		84.2	34.5	84.5	2.46	2.46	2006	34.5
	3.2		87.1	92.3	94.8	34.6	94.8	8. 76	8. 76	8.76	94.8	84.8	8.76	8.76	94.8	8. 75
1300	3.5		39.0	94.2	8.96	96.8	96.8	8.96	96.8	96.8	96.8	8.96	96.8	96.8	8.96	96.8
	3.2		89.7	94.8	1.86	98.1	98.1	98.1	98.1	98.1	1.86	98.1	98,1	98.1	98.1	98.1
1000	3.5		89.7	95.3		98.1	7.86	2.86	98.7	98.7	98.1	98.7	186	98.7	186	98.7
	3.2		89.7	95.3	98.7	98.7	1.86	1.86	78.7	98.7	98.7	98.7	40.7	98.7	48.7	98.7
8	3.2		6.06	96.1	100.00	100.0	100.001	100.001	100.001	10000	100001	100.001	100.001	100.001	100.001	0.001
	3.2		6.06	96.1	100.0	0.001	100.0	100.001	100.001	100.0	-	100.01	00.00	0.001	0.001	0000
9	3.2		6.06	96.1	100.001	10000	100.001	100.00	100.001	10000	-	100.001	10000	100.0	10000	0000
200	3.2	83.9	90.3	1.96	100.0	100.0	100.0	100.00	100.0	100.0	100			100.0	100.0	00.0
1 400	3.2		90.3	96.1	100.0	10000	100.0	100.001	10	10000	10000	100.001	10000	100.0	100.001	0000
	3.2		90.3	96.1	100.0	100.0	100.0	100.0	100.00	1000	100.0	00.00	0.001	100.0	100.00	0.00
300	3.2		6006	96.1	100.0	100.0	10000	100.0	100.001	100.0	100,001	100.00	100.00	100.001	100.001	00.0
	3.2		40.3	1006	0.001	0.001	100.0	100.001	100.001	100.0	100.0	00.001	0.001	0.001	100.001	0.00
١٨١	3.2	• 1	6.06	96.1	100.001	100.0	100.0	100.0	100.01	100.0	100.001	100.00	00.00	100.0	100.00	0000

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

MIRAMAR, CALIFORNIA

93107 STATION

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16 100

200

CEILING							VISIR	BILITY (STA	VISIBILITY (STATUTE MILES)	S)						
(FEET)	2 1	o Al	8 41	1	e Al	2 2%	7	Y1 %	¥ .	Ā	AI	* AI	Z Al	≥ 5/16	× Al	٥
O CEILING			72.3	15.5	4.1.4	18.	78.1	78.1	78.1	1.87		8	8	18.1	18.1	78.1
> 20000	7.1	0.69	76.1	80.0	81.9	82.6	82.6	82.6	2	82.6	82.6	82.6	82.6	82.6	82.6	82.6
V 10000			16.8	80.7	2.	63.2	3.	83.2				83.2	83.2	83.2	83.2	83.2
9009			76.8	80.7	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
	1		18.1	6.18				84.5		84.5		84.5	84.5		84.5	84.5
12000			80.7	84.5	86.5			87.1	87.1		87.1	87.1	87.1	87.1	87.1	87.1
			8. V	85.B	87.7	4 88	88.4	98.4	88.4	88.4	88.4	4.88	88.4	88.4	88.4	88.4
38	7.1		81.9	85.8	87.7		200	88.4		88.4	4.88	88.4			88.4	88.4
			83.9	87.1	89.7	90.3			90.3	6.06	600	6.06		0	90.3	90.3
700	7.1			87.7	89.7	90.3	90.3	8006	90.3	0	90.3	90.3	90.3	0	8006	90.3
		76.	83.9	87.1		6.06		90.3		90.3	5.06	8.06	90.3	90.3	6.06	90.3
8 8	7.1	76.	83.9	1.73	89.7	90.3	90.3	90.3	90.3	0	90.3	90.3	6.06	0	6006	90.3
1		16.	83.9	87.1	89.7	0		90.3		0	\$006	6006	90.3	0	90.3	90.3
1000	7.1	75.	83.9	87.7	89.7	90.3	90.3		90.3	90.3	6.06	800	90.3	0	6.06	90.3
1		76.	83.9	87.7	89.7	0	0		0	0	90.3	90.3	90.3	90.3	90.3	90.3
300		76.		87.7	1.68	80.06	90.3	6006	6.06	0	8006	6.06	90.3	90.3	90.3	90.3
1		17.	84.3	68.4	6.06			0.16	-	0.16	0.16	91.0	91.0			0116
200		78.	85.0	89.7	91.6	92.3	92.3		85.3	92.3	65.3	92.3	92,3	92.3	92.3	92.3
1 .		78	85.8	69.	916	2	92.3	2	92.3	2	92.3	92.3	-	92.3	92.3	92.3
200	7.7	83	8006	94.2	96.1	9	96.8	8.96	8008	9	8.96	8.96		96.8		
1		83	91.6	95.5	4.16	1.86	98.1	98.1	98.1	1.86	1.86	98.1	98.1	98.1	98.1	98.1
38		. 50	92.3	96.1	1.86		7.86	98.7	7.86	7.86	7.86	98.7	98.7		98.7	98.7
1		30	92.3	96.1	1.86	1.86	28.7	98.7	98.7	1.86	98.7	48.7	98.7	98.1	1.86	98.7
8		88	6.76	96.8	1.86	4.66	4.66	4.66	4.66	0		•-	6	6	•	40.66
		85.	6.26	8.96	4.66	0000	00.00	00.00	100.00	0.00	•			10000	0	00.00
8		80	6.26	96.8	4.66	00.01	0.00	00.00	100.001	0.00	0.00			0	00.00	0000
		68		96.8	4.66	00.00	0000	0000	100.00	0.00	•		0.001	0	100.00	00.00
8		83		96.8	4.66	00.00	0.00	00.00			0	0000	0000	100.0	10000	0000
		8 5	6.76	9	7.66	00.00	0000	00.00			•	•	0000	ċ	•	0000
30	•	8.2		96.8	4.66	00.00	0000	0	•	ò	0000	0.001	000		00.00	0000
8	7.7	85.2	92.9	96.8	4.66	000		000	000	000	000	1000	000	1000	000	000
	•						2	3	•	2	2		-1		•	

TOTAL NUMBER OF OBSERVATIONS

155

SOWS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

73-

3-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

JUL HONTH 19

TOTAL NUMBER OF OBSERVATIONS

155

988

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

JUL HONTH

808

Vertical   Vertical	CEILING							VISI	BILITY (STA	VISIBILITY (STATUTE MILES)	ES)						
43.9 47.7 31.0 51.0 51.0 51.0 51.0 51.0 51.0 51.0 5	(FEET)	5	1000	\$0 A1	4	557774		VACROS	E Line	and the same	- 1			20.00	23.11		100
43.4 47.7 51.0 51.0 51.0 51.0 51.0 51.0 51.0 52.3 52.3 52.3 52.3 52.3 52.3 52.3 52.3	NO CEILING			4.1.1	-	-	-	-	-:	-	-	2.	2	2.	2	52.	2
43.4 47.7 51.0 51.0 51.0 51.0 51.0 51.0 51.0 51.0	> 20000			47.7	-	-	-	-	-	-	-	2.	2	2.	2	52.	5
43.9 47.7 51.0 51.0 51.0 51.0 51.0 51.0 51.0 51.0	V 18000			47.1	51.0	-	•	1.	-:	-	51.6	?	2	.2.	•	52.	2
10000   44.8   48.4   91.6   52.3   92.3   92.3   92.9	2 16000		43.9	47.7	51.0	-	•	-	-	-	51.6	2.	2	5.	•	52.	3
45.2   49.0   52.9   53.6   54.2	> 14000		44.5	49.4		2	3	2.	2	2.	52.3	2	2.	•		52.	5
45.8   49.7   53.6   54.2   54.2   54.2   54.2   54.2   54.2   54.8	2 12000			0.64			10	-	3	6	53.6		*	4	•	54.	N.
45.8         49.7         59.6         54.2         55.5 <th< td=""><td></td><td></td><td></td><td>49.1</td><td>53.6</td><td>4</td><td>•</td><td>*</td><td></td><td>*</td><td></td><td></td><td></td><td>*</td><td>. 5</td><td>54.</td><td>-</td></th<>				49.1	53.6	4	•	*		*				*	. 5	54.	-
45.8 49.7 53.6 54.2 54.2 54.2 54.2 54.2 54.2 54.6 54.8 54.8 54.8 54.8 54.8 54.8 54.8 54.8				49.7	-	3		3	4	*			*	*	*	54.	
7000 45.8 49.7 53.6 54.2 54.2 54.2 54.2 54.2 54.2 54.8 54.8 54.8 54.8 54.8 54.8 54.8 54.8	1			49.7		*	*	*			. 5			*	*	54.	~
46.8 49.7 53.6 54.2 54.2 54.2 54.2 54.2 54.2 54.2 54.2				1.65	-	*	*	4	*		4			*	*	54.	S
46.5 50.3 54.2 55.5 55.5 55.5 55.5 55.5 55.5 56.1 56.1	1		45.8	49.7	f -	4	. 4	*		*			54.8		4	54.	~
46.5 50.3 54.2 55.5 55.5 55.5 55.5 55.5 56.1 56.1 56.1				50.3	*	3	5		3	5	5		56.1		9	56.	5
46.5 50.3 54.2 55.5 55.5 55.5 55.5 55.5 56.1 56.1 56.1			1 -	50.3	4.	5	5	5	2	5	20		56.1		0	56.	5
46.5 50.3 54.2 55.5 55.5 55.5 55.5 55.5 55.5 56.1 56.1			_	50.3	-	s	3	5	5	2	1		56.1			56.	~
46.5 50.3 54.2 55.5 55.5 55.5 55.5 55.5 55.1 56.1 56.1			46.5		4	3	5	5	2	5	50		56.1	0	9	56.	10
2300 46.5 50.2 54.2 55.5 55.5 55.5 55.5 55.5 55.1 56.1 56.1			46.5	.0	4	5	5	5	3	2	3		56.1	0	0	56.	5
2000 47.1 51.0 54.8 56.1 56.1 56.1 56.1 56.1 56.1 56.8 56.8 56.8 56.8 56.8 56.8 56.8 56.8	1		46.5	0	. 4	5	5	5	2	5	5			0	9		5
1.3 52.9 56.8 60.7 61.9 61.9 61.9 61.9 61.9 62.6 62.6 62.6 62.6 62.6 62.6 62.6 62			47.1	-	*		6		•								50
1500 1.3 52.9 56.8 60.7 61.9 61.9 61.9 61.9 61.9 61.9 62.6 62.6 62.6 62.6 62.6 62.6 62.6 62				2.	0	33	00		8	8	80			8	58.7		3
1200 1.3 79.4 63.2 67.1 68.4 68.4 68.4 68.4 68.4 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0		1.3	52.	.9	0	-	-	-	-	-	-			2	2	62.	0
1.3 71.0 76.1 80.0 81.3 81.3 81.3 81.3 81.3 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9	1	1.3	59.	3		8	00			8	8			6	6	69	9
30       1.3       72.9       78.7       84.5       84.5       84.5       85.2       85.0       89.0 <t< td=""><td></td><td>1.3</td><td>71.</td><td>.0</td><td>0</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>1.</td><td></td><td></td><td>-</td><td>-</td><td>81.</td><td>00</td></t<>		1.3	71.	.0	0	-	-	-	-	-	1.			-	-	81.	00
10.3       74.2       80.0       85.3       87.7       87.7       88.4       88.4       88.4       89.0		1.3	72.	-	2.	4	4	*	;	4				5	2	85.	œ
700 1.3 74.2 81.9 88.4 90.3 90.3 91.0 91.0 91.0 91.0 91.6 91.6 91.6 91.6 91.6 91.6 90.0 90.0 90.0 91.0 91.0 91.0 91.0 91.0		1.3			10	-	-	-	8		8			6	6	89.	0
200 1.3 74.2 82.6 91.0 92.9 92.9 93.6 93.6 93.6 94.2 94.2 94.2 94.2 94.2 94.2 94.2 94.2		1.3				0	•	0	-	-	-		-	-	-	16	
200 1.3 75.5 83.9 92.9 94.8 94.8 95.5 95.5 95.5 96.8 96.8 96.8 96.8 96.8 96.8 96.8 96.8		1.3	74.			3		~		3	-		;		*	94.	0
1.3 76.8 85.2 95.5 97.4 97.4 98.1 98.1 98.1 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99		4.3	75.	83.9		*		4	3.	20	3.		9	0	9	96	0
200 1.3 76.8 85.2 95.5 97.4 97.4 98.1 98.1 98.1 99.4 99.4100.0100.0100.0100.0100 200 1.3 76.8 85.2 95.5 97.4 97.4 98.1 98.1 98.1 99.4 99.4100.0100.0100.0100.010 100 1.3 76.8 85.2 95.5 97.4 97.4 98.1 98.1 98.1 99.4 99.4100.0100.0100.010		1.3	76.	85.2		-		-		8	8		6	6	6		0
200 1.3 76.8 85.2 95.5 97.4 97.4 98.1 98.1 98.1 99.4 99.4100.0100.0100.0100.010 100 1.3 76.8 85.2 95.5 97.4 97.4 98.1 98.1 98.1 99.4 99.4100.0100.0100.010		1.3	16.	85.4	65.5	4.16	97.4	2.		00	1		4.66	0	0	100	2
103 76.8 85.2 95.5 97.4 97.4 98.1 98.1 98.1 99.4 99.4100.0100.0100.0100.010		1.3	76.		98.5	97.4	97.4	-		8	1		4.66	0	10000	1000	2
0 1.3 76.8 85.2 95.5 97.4 97.4 98.1 98.1 98.1 99.4 99.4100.0100.0100.0100		1.3	16.	3.		4.16	3-15	37.4	98.1			•	4.66	0	10000	100.0	100.0
		1.3	76.	3	_	4.16	4.	4.4	98.1		-	4.66	4066		100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100 ALL

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES	ŝ						
(FEET)	01 10	9	5 1	71	21	2 2%	2 2	V 1%	¥1 Y	Ā	N N	₹ Al	Z AI	≥ 5/16	AI AI	O AI
NO CEILING	2.0	6.04	40.3		-	-		-		-	6.16	6.16		51.9	-	52.0
> 20000		42.7	48.6	52.3	\$3.9	*		54.3		54.3		54.4	54.4	54.4		54.3
		45.9	68.1		5					4		54.5			;	54.1
2 16000	2.1	45.9	-	52.4		4		;				54.5				54.7
	2.1	43.4		53.2	;			5				55.3			3	55.5
> 12000	2.1	45.3	-	55.8	1	1.						57.7				57.3
1	2.1	1.95		50.5	8	2				8		58.7			58.7	58.9
9006	2.1	46.2	32.6	56.6	10	58.3		58.7	58.7	58.8	58.9	58.9	58.9	58.9	58.9	59.0
1	2.1	6.95		57.3	6					6		59.7			59.7	59.8
7000	2.1	46.9		57.3	6	6						59.7			29.7	59.8
1	2.1	6.99	-	57.4	6					6		8.65				59.9
9000	2.1	47.3	53.7	57.7	6	6						2.09				6003
	4.1	1		57.7	6					0						6003
0004	2.1			57.7	6	6				ò						60.3
1	201	1		21.0	6					0						409
3000	2.1		53.8	57.B	6	0										4.09
1	7.7	47.7	:	58.2	6					0						60.7
5000	2.2		:	59.1	6.09	.:				-		61.6	9119	61.6	919	61.8
	2.2	60.3		50.0	-					2						62.6
180	2.4		:	4.49	9	9				9		6.99				67.1
	5.6	57.1	65.0	2.69	:							12.1	72.1		74.1	72.3
98	2.6		:	16.5		6				0	79.8	19.8			19.8	49.9
	5.5	63.6	13.2	18.4	-					2	82.1	82.1		62.1	82.1	82.3
8	2.0		5	81.7	3	3				9		86.1	86.1	86.1	86.1	86.3
	5.6		11.3			2.89						89.0		89.0	69.0	89.2
009	5.6		78.1	1 . 98	0	•		91.4		=	91.0	910	91.7	91.7	41.7	91.9
	5.5		10.9	4.19	:	2		43.4		•		43.1	93.8	93.8		0.46
8	5.6		26.62	88.2	93.3	0.46		95.5		5	95.6	85.8	62.6	6.56	62.6	1.96
	9.2		6.61	68.	3			1.96		97.0	616	97.3	8.16	6.16	0.06	98.2
200	5.6		19.3	93	3		•	6.96		40.6	97.1	97.7	4.96	98.5	98.8	0.66
8	5.0	1.99	19.3	88.4	0.46	8.46	1.96	1.16		9.16	0.86	0.86	98.6	98.7	1.66	49.66
0	5.6		19.3	83.4	0.46	8.76		97.1	97.1	91.6	0.86	0.86	98.6	98.7	1.66	00.00

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01 AUG

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC.

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

AUG. 04

CEILING							VISI	VISIBILITY (STATUTE MILES)	TUTE MILE	(5)						
(FEET)	5 1	o Al	\$ 2	7	21	≥ 2%	2 4	¥1.Y	71 71	ā	AI	*	Z AI	2 5/16	7 1	٨١
NO CEILING	2.6	7.1	1.6	1.6		10.3		10.3		10.3		10.3		10.3	11.0	11.0
> 20000	2.6	7.7	10.3	10.3	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11,0	11.0	11.6	11.6
× 18000	2.6	1.1	10.3	10.3	11.0	11.0		11.0		11.0	•			•		11.6
16000	5.6	7.7	10.3	10.3	11.0	11.0	11.0	11.0	11.0	1100	11.0	11.0		11.0	11.6	11.6
> 14000	5.5	1.1	10.3	10.3	11.0	11.0						•				11.6
2 12000	2.6	7.7	10.3	11.0	11.0	11.6	11.6	11.6	11.6	11.6	11.6	1100	11.6		•	12.3
	9.7	4.	-	11.0	2.							•		12.3	12.3	12.
900	4.5		11.0	11.6	12.3	12.3									•	12.9
1	2.6	9	11.0	11.0	2.		2					N			12.9	
141	5.6	8.	11.0	11.6		12.9				•	•					13.6
1	5.6	20	11.0	11.6			2			-						13.6
900	5.6	4.	11.0	11.6	12.9	12.9		12.9		12.9	12.9	12.9	12.9	12.9	13.6	13.6
	7.6	8.4	11.0	11.6	2.		2	7	2							13.6
0007	5.6	8.4	11.0	11.6						•	•	•				13.6
1	5.6	4.6	:	11.6	3		2	7	2.			2.	7	2.		13.6
3000	2.5	4		11.6		•	2.	2						•	•	-
	3.9	-	3	14.2	3		2	2	3	5			5	2		16.
7000	4.5	14.2	•	17.4			8		8		*				6	
i	4.3	15.5		. 8	0		0	0	0	0		0	0	•		50.
200	2.5	19.4	5	23.2			;	;		*	•		54.5	•	25.2	25.
		20.7		54.5	3		3	2	3	2		3.		3		
8		29.0	35.5	36.1	38.1	38.1	38.1			38.1	38.1	8	38.1			38.
		30.3		37.4			6		6			39.4	39.4		-	*00
8		36.1	3	46.3	6	•	0		0			0	20.3	•	21.0	25
		37.4	6	24.5			8	8	0						1	29.
8		38.7	51.6	37.4	:	61.9	3		3.	63.9	63.9			3	64.5	9
		39.4	2	63.9		•	*	2.0				14.8	2	2	•	76.
8	5.8		57.4	65.8		•				78.7		8	0	80.0	80.7	800
		0.04	58.7	67.1	77.4	17.6		2	5.	85.2	85.2	85.2		9	87.1	
200			29.7	1 . 19		•	;	84.5	84.5	•			:	0.60	•	
8	5.8	40.0	58.7	67.1	78.7	78.7	84.5	84.5	84.5	98.4	4.68	9.89	189.7	1.68		93.6
0	5.8		58.7	67.1	78.7	18.		84.5	84.5	88.4	88.4	4.89	93.1	89.	6.76	•

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07 HOURS (1.5.T.) AUG

100

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	ŝ						
(FEET)	5 1	» Al	\$ 1	41	e vi	× 2 ×	2 41	VI 71	¥1 VI	-	AI	* 11	22	≥ 5/16	AI	O AI
O CEILING				3.	*	4.	4	4				5		3		
≥ 20000	4.5	6		14.2		15.5	15.5	15.5	15.5	15.5	16.1	16.1	16.1	16.1	16.8	16.8
				*	14.8	3	3	5		5		9		0		
2 16000				14.2		•		15.5	15.5	5		16.1	16.1	9		
2 14000	4.5			1	5	9	0			0			16.8	0		
7 12000	4.5		13.0		14.8		16.6		16.8	16.6		•-			18.1	18.1
10000				15.5	5	22		18.1		00				00	6	
2 9000					0	0		•	•	8				00		
0008					0	800	30		8	œ				6	0	
7000		11.0		16.1	•		18.7	18.7				19.4				
0009						633	90			00	6	6		6	0	
2000					•	•				00		6			0	
1					0	8	20	8		00	6			6	0	0
900						6	6	6		6	0	0		0	0	0
1						0	0	0		0	0	0	0	0	-	
3000							20.0			0			0	0	-	21.3
1 -				0	0	2	2.	7		2.	3	3.		3	3	
7 2000				2.		5				5	'n	2.				
1				3.	;	9	0						-			
1500						0	0	30.3		ò		-	-	-	:	
				-	2	*	*				3	3		2		36.1
900				-		. 9		0		•	-	-			47.7	
						-	-	2.		2.	3.	2.		2	-	53.6
8				•	;	6	0	-:		-	3	5		2	63.2	
					0		0			0	-	-				
8		32.3		54,3	;	71.6				•	-	-	-	-	78.1	78.1
					0	5		0		:	2.	2:				
1 400	7.1	32.3	45.8	55.5	-	77.4	82.6	84.5		85.2	86.5			-		88.4
		2						2							91.6	91.6
28		5		58.5	-	77.4				87.7	0	0			3	
8	1.	32.3	45.8	55.5	•	11.6	33.6	85.8	85.8	87.1	600	6.06	6.26	93.6	96.1	4.66
	-			•						87.07	•	0				0001

TOTAL NUMBER OF OBSERVATIONS

1880

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

73-77

10 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISIV	BILITY (STA	VISIBILITY (STATUTE MILES)	S						
(FEET)	5 1	o Al	\$ 41	1	21	1 2%	7 7	¥1 ×1	71 71	-	AJ	# AI	22	2 5/16	71	0 11
NO CEILING	10.3	1	62.0	72.9	4.17	18.1	78.1	1.94	18.1	18.1	78.1	1801	18.1	78.1	78.1	78.1
≥ 20000	10.3		62.0	72.9	78.1	18	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
	10.3	52.	9550	72.9	18.1	20	18.7	78.7	78.7	78.7	78.1	18.7	18.7	18.7	78.7	78.7
2 16000	10.3		62.6	72.9	78.1	18.	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
	10.3	52.	95.00	12.9	1.81	18.1	78.7	78.7	18.7	78.7	18.1	18.7	18.7	18.7	78.7	78.7
7 12000	10.3	52.	62.0	72.9	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
1	11.0	53.	64.3	15.5	80.1	61.3	81.3	81.3	81.3	6113	81.3	81.9	81.3	81.3	81.3	81.3
0006	11.0	53.6	64.5	75.5	80.7	61.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
1	11.0	53	6.40	15.5	80.1	81.3	81.3	81.3	81.3	81.3	81.3	6110	81.3	81.3	81.3	81.3
7000	11.0	53		75.5	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
1	11.0	53.		15.5	1000	61.3	81.3	81.3	81.3	81.3	81.3	8103	81.3	81.3	81.3	81.3
2000	11.0	53		75.5	80.7	61.3	81.3	81.3	-	81.3	81.3	81.3	81.3	81.3	81.3	81.3
1	11.0	53.		15.5	80.7	81.3	=	81.3	81.3	81.3	81.3	81.9	81.3	81.3	81.3	81.3
141	11.0	53		75.5		81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
	11.0	53.		75.5	80.1	81.3	1	81.3	81.3	81.3		8103	81.3	81.3	81.3	81.3
3000	12.3	26		78.1	-	83.9	83.9	83.9	83.9	63.9	83.9	83.9	83.9	83.9	83.9	83.9
1	12.3	96	1019		83.9	64.5		*	84.5	84.5		6049	84.5	84.5		84.5
3000	12.9	00	71.0	85.6	87.7			68.4	4.88			4 . 8	88.4	88.4		88.4
	12.9	00		2		0		8	86.4	88.4	00	88.4	99.4	88.4	88.4	88.4
1800	12.9	61.	72.3	85.2	016	91.6	-	91.6	91.6	9116	9116	91.0	91.6	910	91.0	91.6
	12.9	61.		67.1	93.6	8.76	8.96	9.0	8.46	8 . 76		8 . 96	94.8	94.8	8.46	94.8
08	12.9		74.2	88.4	62.2	4.16	4.16	4.16	4.16	4.16	97.4	97.4	91.4	97.4	97.4	97.4
	12,9	61.		4. 88	62.5			98.1	1.86		CC	1 . 86	98.1	98.1	1.86	98.1
8	12.9	61.		4.88	1.96	98.7	1.86	1.86	1.86		1.86	98.1	98.7	98.7	98.7	1.86
1	12.9	61.			90.96	40.66	7.66	4.66	4.66		4.66	7:66	4.66	36.4	4.66	40.66
8	12.9		;	88.4	96.8	4.66	4.66	4.66	4.66	4.66	4.66	30.4	4.66	4.66	40.66	4.66
	12.9	61.	*			4.66			4.66		4.66		7.66	7.66	4.66	4.66
8	12.9	61.	74.5	88.4		4.66		4.66	4.66	4.66	4.66	99.4	4.66	4.66		4.66
	12.9	01.				\$ 66			6	0000	0	100.0	0.001	0	2	0.00
30	12.9	61.	;	4.00	90.8	4.66	6	4.66	99.41	0000	100.0	100.001	100.0	100.0	100	0.001
8	12.9	61.	74.4			•		•	39.4	0	•		0.001		100	0.00
	15.9	0	:	4 . 90	90.06	39.4	39.4	33.4	77.4	0000	0000	100.001	0.00	100.0	100.0	00.00

TOTAL NUMBER OF OBSERVATIONS

155

-

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

MIRAMAR, CALTFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING									Carrie alone alone	•						
(FEET)	2 1	9 11	S AI	*	e Al	> 2%	2 4	VI 7/2	71 71	- AI	% Al	*	AI 2	2 5/16	AI	A1
40 CEILING			74.2	80.0	83.2	2.58	85.8		5	85.8	85.8	85.8	85.8	85.8	85.8	85.
> 20000			78.7	84.3	87.7	89.7	0	8006	0	90.3	30.3	90.3	90.3	1 90.3	90.3	90.
N 18000			78.7	84.5	87.7	1.68	6006	600	0	90.3	90.3	90.3	90.3	90	90.3	90.
2 16000			78.7	84.5	87.7	89.7	90.3	80.3	90.3	800	90.3	90.3	90	1 90.3	90.3	90.
			BO.7	86.5	89.7	0.16		92.3	2	2.	2.	92.3	92.3	1 92.3	92.3	92.
12000	16.8	70.3	81.3	87.7	0.16	6.26	93.0	93.6		93.6	93.0	93.6		93.6	93.6	93
			81.3	87.1	-					93.6		93.6		93.6		93.
900			81.3	87.7	0.16	6.26	93.0	93.6	3.	93.6	3	93.6		93.6	93.6	93.
			61.3	87.7	016			3		3.	93.0	3	93.6	93.	93.	93.
900			81.9	88.4	-	93.6		34.5	*	34.5	;	2006		94.	. 76	. *6
1				89.0				8.46	4		94.8	*	94.		5	94.
2000			82.6	0.68	2.	94.2	8.46	8.46	•	94.8		8.46		8 94.8		94.
1				0.68							94.0	8 . 46	94.8	8.76	-	94.
1 1	10.8	72.3	83.2	1.68	2.	94.8	95.5	95.5	95.5	•	95.5	95.5	95.5	1 95.5		95.
		72.3	-	and .	2			65.5	95.5			95.5	95.5	95.5	95.5	95.
3000		73.6	:	91.0	2.46	96.1	96.8	•	9	8.96	96.8	96.8	96.	96.8		96
		74.2	:	-	;		-	4.16	4.16	97.4	4.16	97.4	97.4		_	97.
7000		74.2		91.6	9.40	96.8	4.16	97.4	4.16	97.4	97.4	97.4	97.4	97.4	97.4	97.
1		74.2	-		8.56		4.46	4.76	4.16	97.4	40.16	97.4	97.4	97.4	-	97.
200		74.8	85.8	65.3	3	4.16	00	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98
		74.8		92.9	1.96	1.86		98.7	48.7	98.7	98.7	98.7	98.	98.1	98.7	98.
8		74.8		93.6	90.06	98.7	4.66	4.66	4.66	40.66	4.66	4.66	99.66	89.4	_	.66
		14.8	85.0	93.6	96.8	98.7	\$ . 66	4.66	4.66	4.66	4.66	4066	1.66	7.66		66
8		74.8	85.8	93.6	8.96	7.86	4.66	4.66	4.66	4.66	4.66	4.66	4.66	7.66	4.66	99.
1		15.5	86.5	2 . 56		\$ 66	0.00	10000	100.00	0.001	100.0	100.0		100.0	100.0	100
8			86.5	2.46	4.76	99.41	0.00	100.001	100.00	0.001	100.0	100.0	100.0	10000	100.0	100.
			80.3	2.76	4.16	40.66	0000	00.00	00.00	0.00	-	100.0	100	10000	100.0	100
8	18.7		86.5	94.2	4.16	99.41	•	100.001	100.00	00001	100.0	100.0	100.0	10000	10000	100
88		75.5	36.5	2.46	4.70	3 66	0.00	0000	00.00	0.00	100.0	100.0	1001	100.0	100.0	100
8 8	18	15.5	2000	2.76	9.16		000	0.00				100.0	0		100.0	
							•									

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16 HOURS (1.5.7.) AUG

		.3	.3	. 3	. 3		•		6	0	9	2.	.2	2.	2	2.	80	. 5	-		-	*		4	0	0	0	0	0	0	0	0	0
	ΛI	86	00	90	8	6	92	26		92	93	36	46	76	4	36	94	95	96	96	96	97	96	66	8	00	8	00	8	00	00	00	8
	*																		.5			00					•	4.	4	*	4	4	3
	ΑI	85	89	89	89	16	26	26	92	26	85	6	6	6	6	93	46	3.6	5	95	95	96	9	98	66	66	66	66	66	66	66	2	2
	2	80			. 1																	00					*			*	4	*	4
	VI	85					92	36	85	2	~	3	3	3	3	-	4	-5	86	1	25	96	99	86	6	66	66	66	66	66	66	5	2
	z																														3		•
	Al	85	83	88	8	6	35	76	35	26	85	6	6	93	6	63	46	34	95	95	93	96	98	96	66	66	66	66	66	6	6	7	2
	*		1.		1.		0					0	9.	9	9.	9.	2				5		7		*		4		4	5 .		4	
	VI	-	0	6	0	-	2	2	2	2	2		•	3	3	3	4		95	3	5	9	8		66	66	66	66	66	66	6	2	2
	*																						-								3		•
	AI	85	89	89	89	6	36	26	36	26	92	63	6	63	6	93	46	36	95	95	95	96	98	98	66	66	66	66	66	66	66	6	2
	_	80			. 1		3	6.		6.	6	0	9.	9	9	9.	.2	80	5				7		*		4.	4.	4		4	*	3
S	Al			6	0	-	92	65	6	92	92	6	6	63	63	63	4	36	95.	98	9.5	96	00		0	0					66		
VISIBILITY (STATUTE MILES	7.																												4.		3	40	*
TUTE	Ā	85	68	89	68	6	26	26	26	26	92	93	6	63	8	63	40	36	95	95	35	96	98	86	66	66	66	66	66	66	6	66	6
(STA	17%	8	1			0	3				6.	9	9.	9.	0	9.	2.	0	. 5	5	.5	30	7.		3.	3.	4.	4.	4.		3	*	4
HLTY	AI				8		~	2	~	2	~	10	3	m	3	3	4	3	6	5	5	9	8	8	0	0	0	0	66	0	5	66	6
VISI		10	1	1.	-		3		3	.3	6	0	0	0	.0	9	2.	00	5	.5		00	7.		4	*	*	*	*	4	4	4	3
	VI VI		89						92								4	3						96							66		
	2	20					m				0				•				3			0			4		4		4		3.	*	4
	1 2%						35	32	35	32	32	13.	6	3	w		4	3	95	95	3	96	00	98	66	66	66	66	66	66	66	56	2
		.5	4	3.	*	-	0		0										.2								-:	-	-:		-	7	-
	٨١		88			68	16										~	3	30	3	3			6		96		98	98	98	98		96
		2	.1	7		4					•	0	0						0						52				00		æ		00
	AI	83	87				89	89	89	63	6	6	6	16	91	16	91	26	92	92	92	76	95	96	96	96	96	96	96	96	96	96	96
	s																		'n														
	Λİ	F	8	8	8	28	83	83	83	83	3	34	8	38	00	84	2	35	8	86	36	100	68	89	89	68	68	89	8	88	89	68	89
	•																														-		-
	Al	69	12	72	72	74	7	74	74	14	7	14	74	7	74	14	73	16	16	15	10	-	73	2	78	7.8	78	13	78	18	78	18	7.8
	_																															•	
	٧١	22	22	22	22	77	22	22	22	22	22	22	22	22	22	22	23	23	23	23	23	23	23	23	23	23	23	23	23	53	23	23	23
		ç			-	1	-	-	-	-	-	1	-	1	-	-	_	1		-	_	-	-	-		-	-	-	-	-		_	
CEILING	FEET)	CEILIP	20000	1800	16000	1400	12000	1000	8	000	88	1	8	160	8	3500	300	260	200	1800	500	1200	8	906	8	700	8	80	8	300	200	8	-
2	=	2	Αł		IAI		1 11	^	I AI	^	1 11	^	I VI	^	IAI	^	1 11	٨	I AI	٨	IAI	٨	IAI	^	IAI	^	IAI	٨	IAI	A	IAI	Al	^1

TOTAL NUMBER OF OBSERVATIONS

155

1889

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

19 AUG

2

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	۸۱		1	2 83.2	2 83.2	5 84.5	5 84.5	5 84.5	2 85.2	2 85.2	03	2 85.2	œ		œ	2 85.2	8 85.8	8		00	7 89.7	8 96.8	8 96.8	4 99.4	4 99.4	7.66 4	4 99.4	4 66 4	4 99.4		0100.0	0.0010
	AI N	80.	000	0 00	83.	84.			85.	85.	85.		85.	2	85.	85.	2	•	86.		89.	96		66	66	66	66	66	.66	100	100	1001
	≥ 5/16	80.7	7000	83.2	83.2	84.5	4	84.5	85.2	5	85.2	85.2	85.2		5	85.2	85.8		86.5					40.66	49.4	99.4	4.66	4.66	49.4	0000	0000	00001
	Z AI	80.7		83.2	83.2	84.5			5		2	85.2	85.2	2	2	85.2	2	0	0		89.7	;	96.8	4.66	4.66	4.66		4.66	4.66	00.00		00.00
	*		0	83.2	3.	84.5	*	84.5		85.2	65.2		5	2	5	85.2	5		86.5	-	89.7		8.96	4.66	40.66	4.66	4066	4.66	7.66	00.00	10.00	00.00
	% Al		7000	83.2	3	84.5				2	85.2		85.2		3	85.2	5	;	86.5	-	6	90.06		4.66		4.66	4.66		4.66	•	•	10.00
	- 1	0.0	306	3.0	3.2	4.5	4.5	4.5	5.2	5.2	5.2	5.2	5.2	5.2	5.5	5.2	5.8	6.9	6.9	7.7	2.4	8.9	8	4.6	4.61	4.	7.60	4	4.61	0.01	0.01	00.01
ITE MILES)	71 %	100	200	3.20	3.2	4.5 8	5	4.5	5.2	3	2	5.5	5.5	3	5	5.2 8	2	6.5	6.5	7.7 8	5	6 8 9	96.8	9.4		9.4	5 5.66	9.4	5 4.6	0.010	0.01	0.010
VISIBILITY (STATUTE MILES)	1,4	0.7 8	7.	3.7.8	2	4.5 8		3		5.2 8	.2	5.2 8		5.2 8	5.2 8	5.2 8	5.8 8	5		7.7		6 8 9	00	3.	5.	4.	6 4.6	6 4.6	6 5.6	0.010	010.0	0.010
VISIBILI	۸۱ م		•	3.0	3.2 8	4.5				5.2 8	2.	5.2 8			.2	5.2 8		.5 8	.5 8	.7 8	.7 8	6 8			6 4.6	4	6 4.6	6 4.6	6 5.6	0.010	0.010	0.000
	21/2	00 0	0	0 00	623	2 8	.28	.2		0	8	6	. 9	6	80	6	.5 8	.2 8	8 2.	.5	3.	. 8	6 8 .	5	6 4.	4	6 5		6 4.	. 4100	. 100	.4100
	AI		0 0	0 0		3 83	0	3 83	00	9 83	9 83	9 63	00	9 83		9 83	0		a	5 86	5 08	76 6		5 97	5 97	5 97	5 97	5 97	5 97	5 97	2 97	5 97
	٨١			9 0		18 /	181	8 1	4 81		4 81	4 81.	91	. 81	4 81	4 81	82		83.			3 92	3 92			6 95	96 9	6 95	-	6 95	0	6 95
	AI	44		17.	11.	78.	78.	78.		79.		19.	19.	79.				80.		-	3	06	.06	91.0	91.	91.	91.0	91.	91.	91.	-	91.
	S AI		,	72.9	2.		-	74.2		-	74.8	74.0	74.8			-	-	-	-	77.4	-	-	-	-	-	-	-	-	-	84.5	34.5	24.5
	٥ ٨١	63.9	000	65.0	65.8	66.99	66.5	66.5	66.5	66.3	66.5	66.5	66.5	6000	66.5	66.5	67.1	67.7	67.7	0.69	2.69	74.2	74.2	74.8	14.8	74.8	74.8	74.8	74.8	14.8	14.8	74.8
	5 7	0		11.00	9	9.	9.1	1.0	1.0	0	1.6		1.6	0	1.6	9	2.3	0	5.5	0	5.8	0	3.6	3.6	3.0	9	3.6	0	3.6	3.6	1	3.6
CEILING	(FEET)	NO CEILING	2 7000	00091		1200		000		000	1	900	1	0007		3000		7 2000	1	96	1	900		8	1	8		8		200		0

155

1100

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

0

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

AUG

22

CEILING																
(FEET)	5	o Al	S AI	41	e Al	2 2%	2 4	V1 Y	V 14	-	AI AI	*	Z Al	2 5/16	AI	٨١
NO CEILING		41.3	41.1		25.3	•	2	52.3		52.3	52.3	•	52,3	52.	52.	52.
2 20000				2	. 7		7	7	3	2	3		,	. 70	. 76.	
N 18000	2	-	300	52.0	25.0	500		20	2.	500	20	22.0	450	0 4	25	52.
			100	-		•	7		3	•	1 5			200		_
2 14000			0 0 7	200	•	•	2	•	,,	•	,,		42.0	200	200	200
				•	3		2	3		3	3			, 1	,	_
000			2 2 2	200	•		2 6	50.0	20				52.0	200	25	520
- 1		0 . 1 7		5.0	3 6	20	2 5	3	3	3	3 6	1	:	52.	52.	
200	0	41.9	48.4	52.3	52.9	52.9	52.9	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52
1		6:15	48.4		2.		2.	2.	7	2	7	2.	2	52.	54.	520
2000		41.9			55.9	52.9	3		2.	2	2	•	7	\$2.	52.	52.
1	0.5		48.4	7	7	52.9	2.	7	7	2	7		7	32.	52.	
141	6.0		•	55.3	3		2	•	3		5	2	5	52.	52.	
1	6.9		•	2.	2.	2.	3	7	7	~	7			52.	52.	
3000	6.5		48.4		3.	52.9	2	2.	2	2	3.	5.	-	52.	52.	
	1.			52.9			-		3	53.6	3	3		53.	53.	53.
7000	4.0		•		3	2		3	3	3	2	5		55.	55.	
1	4.0			86.1	•		.0			0	•	0		50.	50.	56.
1500	0.6				-	-		-	-		-	-	-	61.	61.	61.
	4.6		•	65.2			-				2		2	65.	65.	65.
90	4.6			78.5	•	9	•		. 9		.0	9		-	-	
	4.6		•	00			6			6	6			6	.8.	
8	2.4				8	4 . 6		0		8				888	86.	88
	4.4		95.0	89.0				-		-		9116		.16	2	.16
8	6.4		83.9			34.5	;						*	94.	94.	. 46
	2.1		83.9		5		•	8.4		8 . 46		84.8		94.	. 56	
8	7.6		83.9	91.6	3	98.5	. 9			96.8	8.96	86.8		96	96	
	1.6		63.9			95.5			8.96	96.8		96.8	0	96	0	96
30			83.9	1.	5		91.4	•	•		98.1	98.1		0	98.1	
8	6.0	0.69	×3.9	91.0	95.5	45.5	-	4.16		98.1		1.86	1.86	78.	98.7	
						Ξ	1				0		3	0	00	

TOTAL NUMBER OF OBSERVATIONS

155

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIE

93107

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL MOUSE (187. AUG

3130

							VISIA	VISIBILITY (STA	(STATUTE MILES)	l si						
(FEET)	2	٥ ٨١	\$ 11	AI AI	e Ai	2 2%	2 4	71 %	71	Ā	% Al	*	Z AI	≥ 5/16	AI	0 11
NO CEILING		40.	1:	-	2.	50	*		4	4				. 5		54.3
¥ 20000		42		53.0	*	55.6			5	2				2		56.1
		42.		3	4.	5	5		5.	5				3		56.1
14000		42.		3		3	3		5	3				2.	•	
		42.		3.	è		.0		3	9				.0		36.6
12000	9.8	42.	49.0	24.0	55.8	-	57.0	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.3	57.3
		42.	0	4.	0		:			-						58.1
0006		42.	0	*	•	7	:		1	-						58.1
		42.	0	4 .	9	7	-		-	-				8		58.2
7000			0	3	0	-			8					8		58.5
1		43.	0	3.		*	8		8	8				8		8
9006		43.	0		-	60	00									8
1		43.	0	5		80	8		8					8		
1 1		43.	0	5	-	00				8				8		œ
1		43.	=	5		20	8		30	0				8		0
3000		**	-		8	6	6		6					6	•	0
		45.	2		6	0	0		0	0						6009
1 2000		46.	*	6	-	2.	2		2	2				2.		62.7
1	11.8	47.	2.	0		2.			3.	3				3.		63.4
1900	5	n	-	2	*	5	3		5	2		•		9	•	66.2
1	2.	51.	5	2		00	8		8	8				8	•	68.8
000	2.	55.	3	71.4	13.9	75.1	3		2				75.5	2		75.7
		56.	.0		3		-		-	:					•	77.7
8	2.	58.	0		0	2	5			3				3	•	83.4
		2	-	6		5	.0		9	9				9		86.6
141	2.	29.	3	0	5	-			8	6				6		89.4
		09	3.	N		0	-		-	2				2.		92.7
8	2.	09	3	83.1		-			3	3				*		94.5
		909	*			2.	;			2				3		0.96
8 1 A I		609	74.0		0	2			•	3		•				97.3
-	2	2	;	83.3	0	2	;			9				97.1		98.7
111	12.3	.09	74.0	83.3		2.				9				7.	98.0	0000

0

0

TOTAL NUMBER OF OBSERVATIONS

## NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

## CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 73-77 MIRAMAR, CALIFORNIA

10 SEP

CEILING																
(FEET)	0 1	% Al	\$ 1	*	6 11	2 2%	2 4	71 71	71	ĀI	% AI	* 11	2 Al	2 5/16	AI	Al
NO CEILING	0.0	27.3		30.7	2.	32.1		32.7	32.7	4	34.0		34	34.1	34.7	34.
≥ 20000	6.7	29.3		32.7	34.0	34.7	34.7	34.7	34.7	36.0	30.0	:	36.7	36.1	36.7	36.
V 18000	6.7	29.3		32.7		34.		34.1		9		36.	•	36.7	36.	36.
14000	6.7	29.3	31.3	32.7		34.7	34.7	34.7	34.7	36.0	36.0	36		36.7	36.7	36.
	6.7	6.67		32.7		34.	34.7	34.7	34.7	9		36.		36.7	36.7	36.
12000	6.7	30.0		33.3	34.7		35.3	35.3		9		36.		37.	~	37.
	6.7	32.0			36.7			-		20		1	39.3	39.	-	39.
8	6.7	32.0		35.3	36.7		37.3	37.3	37.3	38.7	38.7	38.7		•	3	
1	6.7	32.7	34.1					8		6	39.3		*0	40.	40.	*
141	6.7	34.0		37.3			39.3	39.3			40.7	40.7	4	41.3	41.3	41.
1	6.7	34.0			38.7					0			41.	41.	41.	3
2000	6.7	34.0		37.3	38.7			6	39.3	0			41.	41.	41.	*
	6.7	34.7		0				40	0	-			.75	.24	45.	
141	6.7	34.7	36.7		39.3			*0		-	-		42.	42.	42.	*
1	7.3	35.3		00	0		1.	*0		2	2		42.	42.	42.	3
3000	8.0	36.7	38.7	0.04	41.3	42.0	2	42.	42.0		43.3		44.	44.	**	44.
	9.3	38.7						44.		5			40.	40.	97	*
2000	6.0	43.3	45.3	•	48.0	48.7	48.7	48.	48.7	0			50.	50.	50.	*
1	6.6	44.0			0	0	0	50.		2	7		520	52.	2	52.
1 1	6.3	50.7	54.0	5	56.7	57.3	57.3	57.	57.3	58.7			~	-65	100	59.
1	9.3	54.7			-	2	2.	62.	2				. 40	040	99	
1 1	6.3	58.7	0.99		70.7	71.3		71.		72.7	72.7		73.	73.	73	73.
1	6.3	59.3		69.3		2		72.			73.3	73.3	14.	74.	74.	-
88	6.9	62.7	71.3	74.7	78.7	6	79.3	-	19.3		80.7			81.		
1	6.3	0.49	14.1	79.3	84.7	5		85.		9	0	85.7	2		00	
88	6	64.7	75.3	80.0	86.0	9	86.7	86.	0	0	88.0	88.0	88.7	8	88.7	88
1	9.3	64.7	15.3	80.7	88.7	6		89.	89.3	0	0			91.3		91.
141	6.3	64.7	75.3		89.3	90.0		.06		92.0	92.0	92.0	92,7	92.7	92.7	
1	9.3	64.7	15.3	80.1	89.3	0		0			92.7		93.3	93.3	93.3	93.
, S , S , I A I	9.3	64.7	75.3	80.7	40.1		92.0	2.		94.7	1 . 46		95.3	95.3		
8	6.9	2000	75.3		1.06	61.6	92.0	92.7	92.7	1.96	1.06	1096		97.		98.
	-	-		-									4			

TOTAL NUMBER OF OBSERVATIONS

150

9996

2230

VERSUS VISIBILITY

AI AI

AI AI

ALAI

AI AI

AI AI

ALAI

ALAI

ALAI

ALAI

ALAI

AI AI

ALAI

AI AI

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

SEP HOURS (L S T -40

32.0 26.0 ٨I 27.3 28.0 31.3 31.3 36.0 36.0 41.3 26.0 26.0 28.0 39.3 73.3 25.3 25.3 82.0 34.7 24.7 64.7 AI 28.0 27.3 27.3 26.0 0.82 26.0 82.0 27.3 39.3 41.3 73.3 30.7 34.7 50.7 24.7 24. 64.7 2 5/16 23.3 23.3 24.0 24.0 24.0 24.0 22.3 27.3 24.7 25.3 25.3 25.3 25.3 27.3 36.0 82.0 23.3 23.3 23.3 25.3 19.3 26.0 28.0 26.0 28.0 31.3 30.0 25.3 27.3 89.3 34.7 64,7 30.7 39.3 50.7 66.7 2 ۸۱ 29.3 71.3 24.0 17.3 80.0 48.7 28.7 32.7 62.7 34.7 64.7 A 37.3 24.0 88.0 25.3 25.3 25.3 26.0 26.0 26.0 26.0 29.3 29.3 39.3 77.3 80.0 25.3 25.3 26.0 26.0 71.3 34.0 34.0 48.7 32.7 22.7 62.7 % Al 88.0 77.3 37.3 24.0 32.7 38.7 39.3 71.3 80.0 87.3 89.3 22.7 48.7 22. 62.7 64. <u>-</u> VISIBILITY (STATUTE MILES) 0.84 53.3 63.3 10.0 86.0 28.0 28.0 32.0 32.0 33.3 78.7 83.3 22.0 22.0 22.0 22.0 22.0 22.0 22.0 22.0 22.0 22.0 22.0 61.3 16.0 86.0 28.7 36.7 1.1 ٨I 48.0 86.0 36.7 70.0 86.0 33.3 86.0 78.7 86.0 28.7 53.3 61.3 63.3 16.0 38.7 Al 70.0 32.0 53.3 86.0 63.3 78.7 83.3 86.0 33.3 61.3 25.3 36.7 48.0 24.7 28.0 28.0 28.7 24.0 24.0 24.7 24.7 38. ۲ ۸۱ 31.3 27.3 85.3 36.0 69.3 24.7 52. 22. 54. 32. 09 62. 1 2% 24.0 27.3 78.0 22.0 31.3 69.3 24.1 36.0 22.7 22.7 62.1 24.7 24.7 60.7 ۸I 22.0 22.0 22.7 23.3 24.0 22.0 24.0 24.0 27.3 36.0 47.3 0.09 62.0 68.0 76.0 38,0 76.0 22.7 31.3 22.7 72.7 27.3 28.0 10. 32. 24.0 24.7 52. AI 21.3 22.7 23.3 24.0 64.0 22.0 22.0 32.0 20.0 21.3 22.0 22.0 26.7 30.7 21.3 21.3 37.3 38.1 90 11 26.7 22.0 23.3 23.3 21.3 52.0 22.0 20.0 58,0 21.3 25.0 30.0 36.0 56.7 57.3 59.3 59.3 59.3 21.3 51.3 34.7 41.3 58.7 59.3 44. ٨I 0.8 10.01 8.0 0.8 9.3 10.0 0.01 0.01 10.0 0.01 10.0 10.0 1.3 8 6 10.0 0.0 10.0 0.01 0.01 10.01 10.0 7.3 10.0 10.01 2 ٨١ NO CEILING 80 (FEET) > 20000 VI VI 8000 16000 14000 900 000 000 2000 88 800 700 000 1500 88 88 9000 4500 3500 88 88

TOTAL NUMBER OF OBSERVATIONS

## CEILING VERSUS VISIBILITY NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

SEP MONTH O7

	0	8.6	-	. 0	0.0	0	000	25.	32.0	33.	34.			0		•	300	9		18.0		900	1	0	100		000
	× AI	8.0 2			9.3	0	5	1.3		•	6.0.4	5.3	7.3	0	;	0.	:	7.3				5.3 8	6.7	9.3 9	7.0	2.7	3.310
	5/16	8.0 2		2 1 2	- 10	0	2 1	1.3	1.3 3	2.7 3	2.7.3	5.3 3	7.3 3	2	4 0.	5.7 4		7.3 6	8.7 6			.3		9.3 8	0.1	6 8 0	1.3 9
	Al	20				000	2 4	i w	0		9 0	2					0	0	1						7 0		3
	AI ×	28	N	25	2 00	30	0 1	Ē		-	34		37.	0.	4	40	2	67,	0				80	68	000	6	91.
	*			0 0	0 00			30.7	0	2.	33,3	3	36.7	6	3		200	66.7	0.89		82.0	84.		88.7	0.00	0	0.06
	VI VI	28.0	80	2 2	0			30.7	0	2	33.3	4	.9	6		0		66.7			82.0	•	80.0	•	0.06		0.06
S)	ĀI	28.0	100	20 00	00	00		30.7	0	2	33.0	3			3	0.95	00	66.7			82.0			89.7	000	6	89.3
TUTE MILE	× 1	27.3	100	· ×	28.7	29.3	N C	30.7	0	2	32.0	*			43.3	0.04	2000	99	67.3	76.0				84.7	84.7	84.7	84.7
VISIBILITY (STATUTE MILES)	¥1 ¥1	28.0	20 0			. 0		30.7	0	2	33.3	3	9	39.3	3	0.04	00					2	84.0	84.7	4 4	-	84.7
VISIN	7	27.3	00	30 0				30.7			32.0	1.	36.7	0		•	200		6.10	76.0		82.0		84.0			84.0
	≥ 2%	01		•	28.0	90 D	0 0	0	0	-	32.7	*	36.0		45.	0	50.00	65.3	66.1		16.1	6	•	0	0 0	0	80.0
	ε Al	25.3	25.3		20.0	0	0 0	28.0		6	30.7	2.		36.7	40.1	43.3		63.3	4		72.0		14.7	74.7	74.7	14.1	74.7
	4	23.3		24.0	24.7	. 4		26.7			29.3	0		35.3		45.0	400	0009	1.09	0.99		68.7	6	69.3	600	6	69.3
	۶۰ ۸۱	21.3	5113	21.5	22.0		26.0			*	26.0	1	29.3	35.0		38.0		53.3	53.3	55.3	55.3	20.1	21.3	-	57.3	57.3	57.3
	9 Al	19.3									23.3							0.0						46.7		1.00	
	2	12.7		2	12.7			3.0	3	3	13.3	14.7	16.0	17.3	17.3	17.3	0 0	10	16.7		18.7			18.7		18.7	18.7
CEILING	(FEET)	CEILING 2 20000	2 18000		12000	0000		2000	1	2000	4500		3000	1	7 2000	1800		9 9 9		80		000	200		88		0
U	=	9 1	Al		۱۸۱۸۱	AI /		AI AI	٨١	AI	۸۱۸	^	1 11	Al	۸۱	Al	AI	۱۸ ۱۸	٨١	AI	٨١	ΛI	۸۱	AI	ALA	1 ^	

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

12599-96181

93107

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA STATION NAME

93107

10 NOUNE (1.5.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING			-													
	2	9 Al	S)	4	e Al	2 2%	7	V1 7%	VI 3,1	ĀI	% AI	*	% AI	≥ 5/16	AI	٨١
CEILING			48.7	3			59.3	59.3	59.3	59.3		59.3	4	59.3	59.3	59.3
20000			6.65	24.0	58.7	59.3	0.09	0.09	0.00	0.00	0	0.09	0.09	0.09	0.09	0.09
-				24.0	58.7	26.3		0.09	0.09	0.09	0.09	0	0.09	0.00		0.09
16000		40.4	6.63	54.0	58.7	56.3	0.09	0.09	0.09		0	0.09	0.09	0.09	0.09	0.09
			20.0	54.7	59.3	•	50.7	60.7	60.7	60.7	60.7	1.09	209	1.09	60.7	60.7
12000			52.0	56.7	61.3	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
1		42.7	52.0	56.1	61.3		62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
900	14.0	42.7	52.0	56.7	61.3	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
1	14.0	43.3	52.1	57.3	2	020	63.3	63.3	3	63.3		63.3	63.3	63.3	63.3	63.3
200	14.0	43.3	52.7	57.3		62.7	63.3	63.3	63.3	63.3	63.3	63,3	63.3	63.3	63.3	63.3
	14.0	43.3	52.1	57.3	2	1000	3	63.3	3	50		63.3	3	63.3		63.3
2000	14.0	43.3	52.7	57.3	62.0	02.7	63.3	63.3	63.3	63,3	63,3	63,3	63.3	63.3	63.3	63,3
T	14.0	43.3	52.1	57.3	3	62.1	3	63.3	6			63.3	3	63,3	63.3	63.3
900	14.0		52.7	57.3	62.0	62.7	*	63.3	3	3	3	63.3		63.3	63.3	63.3
	14.7	44.7	54.0	58.7	3	4	24.1	1.59	64.7	64.7				64.7		64.7
3000	17.3	8	58.0	62.7	67.3	68.0		68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
	18.7	51,3	1.09			10.		71.3	71.3	71.3	-	•		11.3	71.3	71.3
2000	18.7		1.99	72.0		77.3	78.0	78.0	8	78.0		78.0	78.0	78.0		78.0
-	18.7		70.0	76.0		81.3			2	2		62.0		85.0	82.0	82.0
909	18.7	62,0	74.7	81.3	86.7	87.3		88.0	88.0	88.0	8		88.0	88.0		88.0
	60		76.0	82.7	68.7	80.3	0.06	0.06	90.0		0.06					0.06
1000	18.7	64.7	77.3	84.0	61.3	92.0	92.7				92.7	5	92.7	92.7	92.7	
	16.7	04.1	17.3	84.0	61.3	92.1		0.46	0.46	0.96	0.46	0.46	0.46			0.46
8	18.7	65.3		84.7	92.7				1006				1006	196	9	96.7
	18.7	3		0.98	1.56	0.96	7.	1.86	7.86	98.7	1.86		98.7	98.7		98.7
8	18.7	65.3	78.0	86.0	1.46	0.96	98.0	86.66				99.3	39.3	66.3	66.3	99.3
8	18.	0.99	18.1	86.1	65.3		98.7		100.001	0.001	0	0		10000		0.00
8	18.7	0	78.7	86.7	62.3	1.96		100.001	100.00			0	100.0	0	•	00.0
		0.90	18.1	86.1	65.3	1.96	1.86	100.001	100.001	00001	100.0	100.001	0	100.0	10000	00.0
30	18.7	0.99	78.7	86.7	65.3	1.96	7.86	100.0		10000		10000	100.0	10000		
8		0.99	18.7	86.7		1.96	1.86	10000	100.001	0.001	100.0	10001	100.0	100.0	100.001	0000
0		0	100	000		,								-		

TOTAL NUMBER OF OBSERVATIONS

150

SOWS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13 SEP

CEILING							VISI	VISIBILITY (STATUTE MILES)	NTUTE MILE	(S)						
(FEET)	2 4	9	N AI	1	۳ ۸۱	2 2%	2 Al	41 7	71 7		% Al	*	AI X	≥ 5/16	7 1	O AI
NO CEILING		52.0	57.3	62.0		64.1	0.99			0.99	0.99	0.99			0.99	
> 20000			62.0		10.0	70.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
			62.7	68.7		71.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
2 16000	-		62.7		70.7	71.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
			62.7	68.7	1001		72.7	72.7	72.7	72.7	72.7	12.7	72.7	72.7	12.7	72.7
2 12000			0.49	10.0	72.0	72.7	74.0	14.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
	1		64.7	1001	72.7	13.3	14.7	14.1		14.7	14.1	16.1	14.1	74.7	14.7	14.1
000			54.7	70.7	72.7	73.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
			65.3	11.3		•				75.3	75.3	15.3		75.3	75.3	75.3
1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	-		65.3	71.3	73.3	74.0	75.3	75.3	75.3	75.3	75.3	75,3	75.3	75.3	75.3	75.3
1			65.3	71.3		4.	3			75,3		15,3		75.3	75.3	75.3
2006			65.3	71.3	73.3	74.0	75.3	75.3		75.3	75.3	75.3		75.3	75.3	75.3
1						4.	5			75.3				15.3		75.3
1 11			65.3	71.3	73.3	74.0	75.3	75.3	75.3	78.3	75.3	75.3	75.3	75.3	75.3	75.3
1	1 -			72.0	*		9	0						76.0	16.0	76.0
3000	20.0	62.7	68.7	74.7	7007	77.3	78.7	78.7	78.7		8	78.7		78.7		78.7
1				80.0	2.	62.7			4.	84.0	84.0	84.0	*	0.40		
7000				82.0	84.0		.0		9	9	9	•	•		•	86.0
				2				6		-	89.3	69.3	6	69.3		89.3
180			83.3	89.3	61.3	92.0	63.3			93.3				93.3	93.3	93.3
1			83.3	69.3	6116	2.			3		93.3				93.3	
000			85.3	92.0	1.56	95.3		1.96		96.7	1.96			96.7	1096	46.7
			85.3	92.0	*		1.96				1.96	1.96	0	96.7	1096	96.7
8			85.3		65.3	0.96	97.3			97.3	97.3	97.3	97.3	97.3	97.3	97.3
			85.3	92.7	62.3							98.7	8	8		98.7
8	20.7	76.7	85.3	92.7		97.3					•	666		86.3	66.3	99.3
		16.7	85.3	92.1	0.96	97.3			6	66.3	66.3	666	99.3	66.3	6.66	99.3
8		16.7	85.3	92.7	0.96	97.3		66.3	86.3	666		99.3	88.3			66.3
			85.3	92.7		6.16	66.3	68.3		66.3	0.001	0.00	•	100.0	0.001	00.00
141	20.7	76.7	85.3	92.7	0.96	97.3	66.3	66.3		66.3	100.001	0.001	100.0	100.001	00001	00.0
-		•	83.3	1.26	0.06	97.3	6.66	66.3	86.66	60.3	0.001	0 • 00	0.001	100.01	0.00	0.00
٨١	20.7	76.7	85.3	92.7	0.96	97.3	6.66	99.3	99.3	66.3	0000	0.00	100.0	100.0	0.001	00.00

TOTAL NUMBER OF OBSERVATIONS

150

0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

SEP #0017#

2

	O AI	999	0	0	0		3.3			5.3	5.3	5.3	5.3	5.3			7.3	3.3	86.0	.0	5.	:	8.0	8	8.		8	0	•	0	0	0	0
			-	1	7 7	3 1	3 7	1	7 7	3 7	7	~	3 7	3	7	3 1	3 7			1 8	0	6 2	60	6 0	0	-	_	010	010	010	010	010	010
	AI	99	0	0		7.			;	2				3			77.				5.	;		8		.86	0	0	0	0	0	0	0
		1	0	-	7	3	3	-	1	3 1	3	3	3	3		-	-	3	-	0	2	4	6	0	4	7	010	010	긍	010	000	010	010
	5/16	9		.0	0	-	3	4.	14.	3	15.	5.	.5	5	9	-	77.	83.		.95		14.	98.		98.	8	00	00	00	00	0	00	00
	AI	1	0	-	7	2	2	-	1	3	3	3		_	7				0	7 8	2	2	0	0	2	-	9	ĕ	-	010	010	010	5
	N N	90	0	0	70.	7:	73.			75.	75.	3	75.	5.	76.	:	77.		86.	86.	.76		98		98	96	00	90	00		00	00	00
	-	_	0	-	~	3	•	-	1	3		33	m	•	-	•	10	-	0	-	~		0	0	1	-	0	0	0	0	0	Tio	0
	AI N	99	20.	0	70	7	73	14.	74.	15	75	15	75.		76.	-	77.	63	86.	99	92.	94.	98	98	98	98	00	00	8	00	8	00	8
		0	0	-	1	7	2	-	1	m	•	3	3	~	1	3	•	2	0	1	~		0	0	_	-	6	6	6	10	6	10	5
	AI 3	99	10	10	20	7	13	4	14	15	15	3	75	13	76	F	11	83	86	90	95	34		86		86	00	00	00	00	00	00	00
	_	0	0	-	1		3		1	.3	.3	.3					3	.3	0				0	0			0	.01	6	10.	0	0.	0
S	AI	99		10	10	7	13	74	14	75	73	15	15	75	16	1	17	83	86	86	26		6		96	8	00	00	00	00	00	00	00
MILE	7.1	0	0	1.			.3		1.	.3		.3	.3			.3	2		0.			1.	0	0			0	0	0	0	0	0	0
VISIBILITY (STATUTE MILES)	Ā		20	10	2	=	73	3	14	7	73	2	15	2	10	F	7	83	8	86		36		86	98	86	001	001	00	001	8	001	001
, (ST	17.		0		1.				1.	•			.3	.3				.3	0				0	0	. 7		0	0	0	0	0	0.	0
1	Al	99	2	10	2	7	73	74	7.	75	2	75	15	75	10	-	17		86	86	92	36	98	98	86	86	100	100	100	100	100	100	100
× ×	~			1.1			.3				. 3		.3		0	1:	1.		. 3		0		•		•		6.6	6.9	.3	. 3	. 3	. 3	. 3
	Al	99	70	10	70	-	73	4	7.4		75	15	75	1	76	16	76		8	Bé	6	76	44	5	86	98	6	56	66		66	66	66
	21%		0.0	0	0.7	1.3	3.3	4.1	4.7	5.3	5.3	5.3	5.3	5.3		6.1	5.7	2.	5.3		2.0	4.0	7.3		0.0	8.0	6.3	6.6	6.3	6.9	6.3	6.6	9.3
	Al		-	-	7	-	1	-	1	-	-	-	-	-	-		-		0				•	6	3		0	5	0	6	0	6	^
	2	*	8.	6			2.0	3.3	3,3		4.0	4.0	4.0	9.4	4.1		5.3	1.3	4.0	4	0.	2.	0.9		. 9	0	0.9	6.0		8.0	8,0	9	8
	^"	3	3	0	9	1	7 7	2	10	1	1	1	1 1	1	3	2	1	3	00	3	0	3	0	6	0	6	4	6	0	6	6	6	6
	1	3	-	000	00	8	0	2.	2.	2.	.2.	2.	2.	2.	-	*	. 4	0	2	.3.	6	-	. 4	4.	*	. 5	*		*	. 4			•
	-	3	7	9	3	0	0	1	7	5	5	5	5	0	1	3	10	4	5	80	10	0	0	0	0	0	0	0	0	0	5	5	0
	AI		52.	53.	53.		99	25	57.		58.	58.	58.	58.		39.			78.		34.	96		38.	. 8	300	88	88	88		8	8	8
	-	-	0	-	-	-	-	C	0	-	-	-	-	-	1	0	0	0	-	m	75	0	~	7	m	60)	M	-	~		7		M
	AI		58	28	58.	56	.09	620	62.	62.	62.	62.	62.	62.		64.			70.		77.		19.		19.		79.			6	19.		6.
		a		-		1							~	1		1		0		7		5					0		0		5	0	
	VI 5	00		00	8	0	0	18	0		0	0		0	0	13	0	0	-	-	N	2	~	2	2	N	2	N	2	7	22	N	N
-		O Z				-		-	-	-	-	-	-	-		-	-	-	-	-		-	-	-		-		-		-			
CEILING	(FEET)	CEILI	20000		9009		12000	1	900	1	700	1	900	450	400	150	300	1	200	1	500	1	9		8	1	8		8		200	-	•
	100	2	AI	٨١	AI.	٨١	1 11	٨١	M	^	1 1	^	1 11	^	1 11	^	1 11	^	IAI	٨١	AI.	٨	M	٨١	AI	^	1 11	^	1 11	AI	IAI	٨١	AI

DIRNAVOCEANMET SMOS

118

150

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

MIRAMAR, CALIFORNIA

93107

73-77

61 SEP

1000

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISII	VISIBILITY (STATUTE MILES)	ATUTE MILE	(S)						
	2	۰ ۸۱		AI	e Al	1 2%	N Al	¥1 ¥	¥1 ×2	-	ΑI	*	2	2 5/16	AI	0
		42.7	52.	54.7	26.1	26.1	57.3	51.3	57.3	57.3		57.03	57.3	57.3	51.3	57.3
≥ 20000	11.3	44.0	53.	26.7	58.7	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
	•	44.7	24.	57.3		29.5	0.00		0	0.09	0	0.09		0.09	90.09	0.09
≥ 16000	•	44.7		57.3	59.3	29.3	0.09	0.09	0.09	0.09	0009	0.09	0.09	0.09	0.09	0.09
	•		55.3	28.	1.00	000	61.3	61.3	61.3	61.3	-	6103	61.3	61.3	61.3	61.3
7 12000	11.3	46.7	26.0	59.3	61.3	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
(		48.7	28.0	61.3	63.3	63.3	0.00	0.49	0.40	0.49	0.49	04.0	0.40	0.49	0.99	0.49
0006		48.7	58.0	61.3	63.3	63.3	0.59	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
1		49.3		0.29	0.49	0.49	1.00	1.49	*	1.50	64.1	64.7	1.49	64.7	64.7	1.99
7000		£ 64	58.7	62.0	0.49	0.49	2.59	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
1		6.65	28.7	0.29	0.49	0.49	1.50	1.00	64.7	64.1	04.	04.1	64.7	64.7	1.49	64.7
2000		50.0	59.3	62.7	1.49	1.40	68.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
1		20.0	59.3	62.1	64.7	64.1	65.3	65.3	3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
804		20.0	59.3	62.7	64.7	04.7	65.3	65.3	65.3	68.3		65.3	65.3	65.3	65.3	65.3
1		20.1	20.00		65.3		0.99	0.09		0.99	66.0	0.99	0.09	0.99	0.99	0.99
300		51.3	2009	0.49	0.99	0.99	2.99	2.99	66.7	66.7	2001	1000	66.7	1.99	66.7	1099
		53.3	62.7	0.99	68.0	0.89	68.7	68.7	66.7	68.1	68.1	68.7	68.7	68.7	68.7	68.7
7 2000		57.3	66.7	70.0	72.0	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
1		57.3	61.3	1001	12.7	12.1	13.3	73.3	73.3	73.3	73.3	13.3	73.3	13.3	73.3	73.3
1500		611.3	71.3	74.7	70.7	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
		24.1	14.1		30.0	0.00	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
98		72.7	84.7	98.1	1.06	2006	61.3	91.3	6116	6116	61.3	91.3	61.3	91.3	6116	91.3
	•	72.7	84.1	99.	106	1006	61.3	61.3	91.3	91.3	61.3	6163	6119	91.3	91.3	91.3
8		14.0		92.0	0.96	0.46	69.3	65.3	95.3	95.3	95.3	98.3	699	68.3	65.3	95.3
			0.00	0.26	14.1	1.76	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
8	•		86.7	92.7	0.96	0.96	61.3	97.3	97.3	97.3	61.3	97.3	97.3	97.3	61.3	97.3
			86.7		61.3	81.3	1.86	66.66		66.3	66.3	666	66.3	89.3	86.66	99.3
8			86.7	92.7	97.3	97.3	98.7	66.3	99.31	00.00	00.01	0000	00.00	00.00	100001	0.00
			86.1	1.26	6.16	6.16	98.7	66.3	99.31	0000	10.00	10.00	10.00	00.00	00	0000
7 20			36.7	92.7	61.3	97.3	7.86	99.3	99.31	00.00	00.01	00	00.00	0000	100001	0.00
8	70.0	0.4	200	92.		21.5		646	99.31	0	0.0	00			10.00	0.00
			1.00	1.24	31.3	21.03	1.86	97.3	30.31	0000	00.00	00.00	00.00	00.00	00.00	0.00

TOTAL NUMBER OF OBSERVATIONS

150

#### 1011

## CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

SEP 22 HOURS (1.5.T.)

CEILING							VISIN	VISIBILITY (STATUTE MILES)	NTUTE MILE	(\$)						
(FEET)	0 41	٨١	47 Al	4	E AI	≥ 2%	7 7	71	71 71	- -	% Al	*	N N	≥ 5/16	N N	٥
NO CEILING		30.		34.7	0							9				36.7
> 20000	0.0	32.0	5	36.0		37.3	37.3	37.3	7	37,3	37.3	37,3	37.3	37.3	38.0	38.0
V 18000		32.	2	36.0			-					37.3				38.0
1600		32.	2	36.0			:		-			37,3			38.0	38.0
> 14000	0.0	32.		37.3											6	39.3
> 12000	0.9		36.7	38.0	39.3		39.3	39.3	39.3	39,3	39.3	39.3	39.3	39.3	40.0	40.0
1	0.0	35	6	40.								•		2	45.7	42.7
0006		36.	0	41.3	2.	42.7	5		2.		2.			2.	•	43.3
1	0.9	37.	41.3	42.7				44.0			44.0		0.44		44.7	44.7
7000	6.0	38	42.0	43.3			;		44.7		•			4	45.3	45.3
	0.0	38	42.0	43.3							44.1		44.1	4.	45.3	45.3
2 3000		38	42.0	43.3	1.44		44.7		44.7		44.7	:	44.7		45.3	45.3
1	0.0	38	N	43.3	4	44.									45.3	45.3
141	0.0		N	43.3	44.7		44.7	44.7	44.7		44.7	44.7	44.7			45.3
1	9.0		2	43.3	44.7		44.7		44.7		-	44.7		*		45.3
3000	0.9	38.7	42.7	0.44	45.3	45.3		45.3	45.3	45.3	2	45.3	45.3	5		46.0
1	8.0	40.1	•	0.95	-								-			48.0
7000	11.3		5	57.3		8	58.7	58.7			58.7		8	8	59.3	59.3
	11.3	53.3		0.09		-	-		-			6119			•	62.0
N 1500	11.3	57.3	62.7	64.7	0.99	0.99		0.99		•	•	9	;	.9	•	66.7
7 1200	11.3			68.7	10.1	10.		0	70.7	70.7	10.1	10.1		0	71.3	71.3
1	6.11	•	•	16.1		10	00	7001	9	0	0	0	1001			79.3
88	***	100		0 0	0 0	0 0			• a	0 0	0 0		) x	0 0		010
		-	5		3 0	C	0 0	000		0	C	200		0		
8 8	11.3	72.0	82.0	87.3	93.3	93.3	93.3	93.3	93.3	m	93.3	93.3		3	0.16	94.0
			N		95.3		5					95.3		5	•	0.96
141	11.3	72.0			40.1			1.96			1.96	196.1	1006		97.3	97.3
100	11.3	72.0		88.7		1.96	1.96	1.96	1.96	1.96		1.96	61.3		•	
7 200		•			1006	1.96		96.7	1006	•	97.3	97.3	0.96	98.0	200	
VI 85	11.3	72.0		68		76.	97.3	97.3	97.3	98.0	0.86	0.86	1.96	98.7	66.66	0000
٨١	11.3	•	82.	88.7	40.1	1.96	97.3	97.3	97.3	98.0	0.86	0.86	1.86	186	66.66	

150

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (1 S T ) SEP

(FEET)	-					1	-		-			-				
	2 1	9 11	47 Al	41	S AI	¥ 2%	7	¥1 ¥	¥1 ¥1	- AI	× Al	AF	Z Al	2 5/16	M Al	٨١
NO CEILING		35.8	€.04	6.2.0			45.7			45.9	0	45.9	46.3	6094		46.
≥ 20000	•	37.7	42.1	45.1	•		-		-		8	48.2	48.0	48.6	-	48.9
		37.8	2	45.3	:		8		8		8	•	48.8	48.8	-	49.2
2 16000		37.8	2.	45.3	-		*	48.2	8	•	8	48.4	10	48.8		49.2
		38.3	2				20		8		8		0	49.3		49.7
12000	11.8	39.2	43.8	60.04	8	£ 6 5	6	6	6	0	.0	20.0	50.4	50.4	50.5	50.8
1			5				-	-	-	-	L	-	-	51.7		52.0
0006		40.3	3	48.2	6		-		-	-	:		-	51.8		52.1
1					5		2	7	2.	2.	2	7	2	2		53.0
7000	12.2	41.3	;	69.3	:	51.8	2	52.3	2	2	2.	55.5	2	52.9		53.3
1					-		2.	2	2	2	2	2	N	N		
0005	12.2	41.6	•		-	2.	2	2	2.	2	3	2	3	53.3		53.6
1		-	9	6	-	2.	2	2.	7	2.	2.	2	3	3		
141	12.5	42.3	47.2		52.1	52.8		53.3	3	53.6	53.6	53.6	24.0	3	54.1	54.3
		43.0		:	2.					*			4	3		2
3000		44.8		52.9	;	5	3	3.	5		9	•	0	56.6		56.9
					:	00	00			6	6		0	0		0
2000		51.9	57.4	8.09	2.	3	3		3	;	;	;	*	4		64.8
1	15.5		59.3			5	3			9	0	0	0	1.99		
1800		58.1	9.40		0	-	-		-		-	-	2	2		
1		9.09			3	4	3		5	5	2		0	76.2		9
00	15.8	4.40	73.3	78.0	0	-1	:		2	2	2	~	N	2		
		04.8			-	2	2	•	2.		3	83.3	m	83.8		84.1
8	•	9999			5	•	-	-	2			88.1	8	œ		
1		9.99	3.		0		0	0	0	-	1.16	1016	-	91.5	:	91.6
8		67.1			6	0	=		2.		2.	95.8	70	1	93.3	93.5
		07.3	1.00				3.			*	4	:	3	3	:	95.2
8	15.8	67.3	77.8	85.2	-	95.8		94.5	*	5	95.5	95.5	65.6	95.9	36.0	96.3
	5.8	67.3	:	85.2	-		;	•	•		2	2	0		•	96.
1 200	5.8	67.3	1.		-	93.0		•	;	96.3		•	•	9	-	97.4
8 4	15.8		17.0	2.58	61.7	93.0	4.46	6.96	6.46	_	6006	6.96	97.6	97.6	0.86	68.8
٨١	2	07.4	:	00	-	73.1	*	0.66	2.	8.96	97.0			97.7	98.2	00.00

0

0

TOTAL NUMBER OF OBSERVATIONS

1200

0

0

1

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) MIRAMAR, CALIFORNIA

O.1 OCT.

CEILING							VISI	VISIBILITY (STATUTE MILES)	NTUTE MILE	S						
(FEET)	5	9 Al	N AI	4	13	Z 2%	7	W1 Y	¥1 Y	ĀI	% Al	*	Z.	≥ 5/16	NI NI	0 1
NO CEILING	-		37.4	38.1		39.4		39.4	39.4	0			0.00	0	40.0	40.0
≥ 20000	11.6	36.8	37.4	38.7	39.4	39.4	39.4		39.4		40.0	40.0	40.0		0.04	0.04
			37.4	38.	39.4	39.4		39.4	39.4	ċ						
2 16000	11.6		37.4	38.7	39.4		39.4	•	39.4	ċ	40.0		40.0	0	40.0	40.0
		36.8	37.4		39.4	39.4		39.4	39.4		40.0	0.05		40.0	40.0	
> 12000			-	38.7	39.4	39.4			39.4	0				0	•	40.0
1		38.1		40.		41.3		:	41.3	41.9		41.9	6.14	6119		41.9
0000 2		38.1		•	41.3	•	•	41.3		41.9	•	41.9		•	41.9	41.9
1000	-	40.1		43.2		*		44.5			45.2	•	45.2	2	45.2	45.2
1 7 7000	11.0	41.3	41.5	43.9	44.5		45.2	45.2	45.2	45.8	45.8		45.8		•	45.8
1	-		N	44.5								46.5				46.5
2000	11.6		3	44.5		3	45.8	3		46.5	46.5	46.5	40.5	0	46.5	46.5
		43.2	3	45.6					47.1		•				47.7	
4000				47.1	47.7	48.4	48.4	4.84	48.4	0.64	49.0		0.64	•	49.0	49.0
			5		8	6	0	6		6	5	6		6		49.7
3000	12.9			4.64	0	-	51.0	51.0	51.0	-			21.6	-	9119	51,6
				52.9	53.0			*	54.5	24.8		24,8	24.8	*	34.8	54.8
7 200			;		6	0				ċ			200			60.7
1			0			0	1.00		2009	-		6119	61.3	-	61.3	61.3
1500		58.1	61.9	64.3	•		67.1	67.1	67.1	67.7	67.7	67.7	67.7	•	67.7	67.7
			3						69.7	0			10.3	0		70.3
90	13.6		6	72.3			75.5	75.5	75.5			76.1	76.1		76.1	76.1
				72.3	14.8	2		15.5	15.5	1001	1	1661	10.1	16.1	1001	76.1
00 Al				73.6	76.1		77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	76.1	78.1
					16.8	1.8.1	78.1	78.1	78.1			78.7	18.7	•	78.7	78.7
009	13.6		69.0	73.6		00	78.1		78.1	00	78.7	78.7	78.7	8	78.7	78,7
			70.3	•	78.7	0		0	0	1.	•	61.3	81.3	-1	-	81.3
004	13.6	63.9	70.3	74.8	78.7		0.00	0.00		81.9	81.9	81.9	81.9	81.9	81.9	81.9
			10.3	75.5	80.0	1.	81.9		81.9	83.9	83.9	83.9	84.5	. 4	84.5	84.5
1 200		63.9	71.0	76.1		91.	85.6	85.6	82.6	84.5	85.2	85.2	86.5	86.5	86.5	86.5
81			11.0	•	80.7	61.9	85.0	83.2	83.5	85.2	85.8	85.8	88.4	488	016	95.9
0	13.6	63.9	11.0	76.1	80.7	91.07	82.0	83.2	83.2	85.2	85.0	85.8	86.4	88.4	91.01	00.0

TOTAL NUMBER OF OBSERVATIONS

155

SOWS DIRNAVOCEANMET

93107

O

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04 HOURS (1 \$ 7 ) 00

3

EILING							VISIA	VISIBILITY (STATUTE MILES)	TUTE MILE	S						
(FEET)	0 1	o Al	8 41	7	E 41	2 2%	2 4	V1 75	VI 74	- AI	% Al	*	N X	≥ 5/16	× Al	0 1
CEILING	12.3	32.9		34.8	36.1	36.1	37.4	37.4	37.4	37.4	-	37.4	38.1	38.1	38.1	39.4
20000	12.3	32.9	;	34.8	36.1	36.1	37.4	37.4	37.4	37.4	37.4	37.4	38.1	38.1	36.1	39.4
18000	12.3	32.9	4	34.0	36.1	36.1	37.4	37.4	37.4	37.4	37.4		36.1	8	38.1	
16000	12.3	32.9		34.8	36.1	36.1	37.4	37.4	37.4	37.4	37.4	37.4	38.1		38.1	
14000	12.3	33.6		35.3	36.8	9		8	36.1	8			38.7	8	38.7	
12000	12.3	34.8	•	36.8	38.1	38.1			39.4	39.4			40.0	.0	40.0	41.3
10000	14.3	34.8	0	36.8	38.7			0		0				0		
900	12.3	34.8	36.1	36.8	38.7	38.7	40.0	0.00	0.04	40.0	40.0	40.0	40.7	40.4	40.7	41.9
8000	12.3	35.5	9	37.4	6	0		0		0			41.3	-		
200	12.3	36.1	-	38.1		•		41.3		-	41.3		41.9	41.9	41.9	43.2
9009	12.3	36.1	1		0	0		-		-				-		
9000	12.3	36.8	8	38.7		0		-		-				2		43.9
7500	12.3	38.1	6	0	-		3	3		3	3.			3.		45.2
900	12.3	39.4	0	41.3	43.2	3	44.5	44.5		44.5	44.5		45.2	45.2	45.2	46.5
3500	12.9	41.3	2		3	5	0			9				-		48.4
3000	13.6	43.9	3	46.3	9	00	0			.6		6	50.3	ċ		51.6
2500	13.6	45.8	0	6		-	2			2		2		3		54.8
2000	14.2	52.3	3	80.95		58.7	20.09	0.00			0.09	0000	60.7		2.09	6119
1800	14.2	52.3	2	0	6	2/	0			0		0		-		62.6
200	14.8	56.8	0	62.0	65.2	50	0			0	60.5		67.1	-	-	68.4
1200	14.8	57.4	-	3	0	9	-			-		-		00		69.7
000	14.8	58.7	;	67.7	-		2			2.		2				74.8
908	14.8	58.7	*	67.7	-	-	2			2.		2		3		74.8
8	14.8	29.4	3	4.89	71.6		73.6		73.6	3	73.6	73.6	74.2	*	74.2	75.5
200	14.6	0.09	9	5		4 .	9			9		9		-		78.7
8	14.8	0.09	;			9	78.1	•			78.1	78.1	78.7		78.7	80.0
905	34.8	60.7	:	71.6	0	5	=	:		-	81.9	81.9		2	82.6	83.9
8	14.8	60.7	-	71.6			2	82.5		3	83.2	83.2	83.9	3	83.9	85.2
300	14.8	1.00		72.3	-	81.9	*	84.5		85.2	85.2	83.2	85.8	85.8	85.8	87.1
98	14.8	2.09		72.3	-	61.9	;	84.5	84.5		86.5	86.5	87.7	87.7	87.7	89.0
8	8.41	2009	10	72.3	81.3	91.9	85.2	85.2	85.2	86.5		87.1	\$6.4	88.4	89.7	92.9
0	14.8	60.7		72.3	81.3	81.9			2	86.5	87.1	87.1	88.4		89.71	00.00

0

TOTAL NUMBER OF OBSERVATIONS

155

...

**CEILING VERSUS VISIBILITY** 0 51.6 43.2 43.9 7 48.4 43.9 5 47.1

CEILING VERSUS VISIBILITY

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

HIRAMAR, CALIFORNIA

93107

73-77

(FROM HOURLY OBSERVATIONS)

PERCENTAGE FREQUENCY OF OCCURRENCE

HOURS (L S T HOMTH 07

2

	0 1	0.04	43.2	43.2	43.2	43.9	43.9	44.5	44.5	45.8	47.1	47.1	47.1		50.3	-					73.6		78.7		79.4	80.0	83.2	85.8	87.1		91.6	
	7 1		45.6		2.		•		3		•								•										•		6006	
	≥ 5/16	8	-	-	•	2	2.		3.2	. 5	5.8	5.8	5.8	7.1	0.6	0.3	5.5	4.6	65.8	1.1	2.3	3.6	7.4	4	7.	8.7	1.9	-	5.8	1.1	-	6.4
	2 1	_	1.9	0.	0	9.	_		3.5		5.8	00	90	1:1	0	0.3	5.5	4.4	2.0	1.1	2.3	3.6	4.			8.1	1.9	4.5	5.8	1.1	1.68	4.6
	*	1.8	41.3	11.3	11.3	6.1.	6110	7	5.6	3.9	2.5	2	2	6.9	8 . 4	1.6	4.8	8.7	65.2	1.1	1.6	5.9	6.8	6.3	-	-		6.	2	7 .	0.68	0
	× Al	1.9			11.3		11.9	9.	0.	5.	2.5	2.5	5.2	6.5	*	1.6	4.6	8.1	5.5	1:1	1.6	5.3	30	9.9	7.4	1.0	1.3	•	5.5	7.1	0.68	0.6
	- 41	8.1		1.3	11.3		6.1.			3.9	2.5	5.2	5.2	6.5	8.4	1.6	4.8	8.7	5.5	7.1	1.6	5.9	8.9	8.9	7.4	8 . 1	1.3	3.9	5.5	7.1	8.4	8 . 4
JTE MILES)	71 7	8.1			•		1.3			3.2	4.5	.5	.5			0.6	7.4	8.1	4.5	6.5	1.0	6.3	5.5	5.5	6.1	8.9	0.0	1.3	1.9	3.9	83.9 8	3.0
VISIBILITY (STATUTE MILES)	% 4	1.	1		10.7		11.3	-	-		4.5			2	-	0.6		8.1	4.5		1.0	2.3	3	5.5		9.0	0	1.3	1.9	3.9	3.9	3.9
VISIBII	7 7	20	ò	o	0	=	-	1.9	-	3.2	4.5	4.5	4.5	5.8	7.7	0.6	7.4	8 . 1	4.5	6.5	1.0	2.3	5.5	5.5	1.0	9.0	0.0	1.3	1.3	2.6	2.0 8	4 0
	27%	4.	8	8	1.8	4.6	6	0	0.0	-	5.6	2	5.6		80	1.1	2	1.9	5.6	*	0.6	0	2.0	2	0	70	10			-	6.1 8	-
	21	8.9	8.1	8.1	8.1	8.1	8.7	*.0	4.6	1.0	1.0	1.9	1.9	3.2	5.5	6.9	9.1	5.5	-	3.9	8.4	1.6	1.6	0						*	4.8 7	7
	7	9.0	-	4.		8.1	8.1	6.7		3.4	1.0	1.0	1.0	6.3	3.0	5.5	0	2.5	0.0	6.1	3.	1.1	4.8	8			6		0.6	0.6	2.00	0.6
	\$ AI	2	7	7	7.	0	3	3	*		4	4	4	1	0	0	0	0	3		0	2.	0	0	30	5	in	a	3	•	9 6.49	a.
	9		œ	8	80		13	-	7.	7	4	3	4			0	-			-	7		3	3	0	0	0	0	0	Ö	9 0.09	2
	01	4.6	4.6	5.6	4.6	4.6	4.6	4.6	4.6	4.0	0.0	0.0	0.0	0.0	0.7	1.3		1.9	1.9	1.9	2.6	2.6	5.6	2.0	2.6	5.6	5.6	2.6	5.6	5.6	5.6	3.6
	A1																														~	

TOTAL NUMBER OF OBSERVATIONS

153

100

89.7

89.0 89.0 89.7

0.68

82.6 83.9 83.9 88.4 82.6 83.9 83.9 88.4

74.8 76.1

60.0 64.3 69.0

22.6

80

AI AI

88

88

88

SMOS DIRNAVOCEANMET

NO CEILING

71 Y 71 Y 71 Y 71 Y 70 O 70 O

Y 1400

7000

900

AI AI

4500 400 400

3000

2000

980

1200

88

CEILING (FEET)

## CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

0

0

0

0

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10 DCT.

Page		2 69 65 65 65 65 65 65 65 65 65 65 65 65 65	2 2h 2 64 7 7 6 67 7	1 2		71.4	;	74	1	20	2 5/16	7 1	
		5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	67.	-			_	2	*				O Al
		99.27.29.69.99.99.99.99.99.99.99.99.99.99.99.99	67.	55.5			65.2	2059	2.50		2.50	2.69	
18000 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		00.0 65 00.7 66 00.7 66 00.7 66 3.2 69 3.2 69 3.2 69	68	68.4	4.89	4.89	4.89	68.4	68.4	68.4	68.4	4.89	68.4
15000 2000		00.7 66 00.7 66 00.7 66 3.2 69 3.2 69 3.2 69			0.69		0.69		0.69		0.69	0.69	0.69
2000 2000 2000 2000 2000 2000 2000 200		00.7 69 3.2 69 3.2 69 3.2 69 3.2 69 3.0 69	69		1.69	2.69	1.69	1.69	1.69	69.7	69.7	69.7	69.7
2000 2000		10000000000000000000000000000000000000	69	6	69.7		69.7		1.69	69.7	1.69	1.69	69.7
2000 2000 2000 2000 2000 2000 2000 200		3.2.69	70.	71.0			71.0	71.0	-	71.0	71.0	71.0	71.0
2000 2000 2000 2000 2000 2000 2000 200	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	3.2 69	1.						12.3				72.3
2000 2 0 0 1 2 0 0 0 1 2 0 0 0 0 0 0 0 0	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	3.2 69 3.2 69 3.9 69	0 71.6	72.3	72.3		72.3	72.3	72.3	72.3	72.3	72.3	72.3
2000 200-1 2000 200-1 2000 200-1 2000 200-1 2000 200-1 2000 21-9 2000 24-9 2000 24-9 2	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	3.2 69			72.9				12.9	72.9		72.9	72.9
2000 20 20 4 20 20 20 20 20 20 20 20 20 20 20 20 20	8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	3.9 70	.7 72.3	72.9		72.9	72.9	72.9				•	72.9
2000 2000 2000 2000 2000 21.350 2000 21.350 2000 21.350 2000 21.350 2000 21.350	24.5	3.9 70			6.21					72.9			72.9
2500 2000 21.93 2000 21.93 2000 21.93 2000 24.93 2000 2	5 54.2	-	.3 72.9	73.6	73.6		73.6	73.6	73.6		73.6	73.6	73.6
2300 21.9 2300 21.9 2300 21.9 2300 24.9 2300 24.9 2300 24.9 24.9 24.9 24.9 24.9 24.9 24.9 24.9	8 44 8	63.4 70	12.		73.6			73.0	13.6				73.6
3300 21.9 2300 21.9 2300 24.5 2300 24.5 24.5 2500 24.5 26.5	1000	64.5 71.	.0 73.6	74.2	74.2	3					*	74.2	74.2
2300 21.9 2300 22.000 24.00 1300 24.00 24.00 1300 24.00 24.00 24.00 24.00 20 24.00 24.00 20 24.00 26.00 20 24.00 26.00 20 24.00 20 20 20 20 20 20 20 20 20 20 20 20 2	7 55.	.2.	14.	3	*			2.4	74.8		74.		74.8
2300 2000 2000 1300 1300 1300 2 4 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	7.85 0	33	.5 78.1	78.7		0	78.7		8		-	8	78.7
2000 1300 1300 1300 1300 1300 1300 1300	8 62.	73.6 80	82.	3	83.2	83.2		33.2	83.2		83.	83.2	83.2
1800 1900 1000 1000 1000 1000 1000 1000	0.69 €.		68	0	0	0	ò		•	0	80.		90.3
1200 1000 1000 1000 1000 1000 1000 1000	9 6		1 90.		:		91.0	016	0.16		91.0	-	91.0
1700 1000 1000 1000 1000 1000 1000 1000	N	3.9 91	94.	4	;	•		94.6	24.8	94.8		;	94.8
200 2 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		68.	96	8.96			8 96	96.8	8 . 96				96.8
800 24.5 700 24.5 700 24.5	5 73.	6.5.9	5	4.46	98.1	1.86	98.1		98.1	98.1	98.1	1.86	98.1
800 24.5 700 24.5 800 24.5	5 73.	6 5 9	96.	1.96	48.7	1.86	1.86			1.86			68.1
24.5	2	6.5	96	1.86	98.7	68.7	186	1.86	98.7	98.7	98.7	1.86	98.7
6.42 000	5 73.	6 5 6	0	1.86		** 66			6		66	6	99.4
	.5 73.	6.5	96.		00.01	00.00	0	0	ċ	100.0	-	100.001	00.0
24.5	7	6 6 9	96		00.01	00.00	0.00	0			100	0.00	0000
24.5	5 73.	6 6 9	2 96.8	98.71	00.01	00.00	0	00.00	00.0	100.0	100	100.001	00.00
300 54.5		6 60	96		00.01	00.00	0000	0.001	0	0001	100	0.001	00.0
·		86.5 94	2 96.8		00.01	00.00	0.00	0000	0000	100.0	100.0	00.00	00.0
100 24.5	4.5 73.6	6 5 9	0.06 7	11.86	0.0		0000	6		0 001	100.00	0.001	000
2	4.5	86.5 94	8 96.8	98.71	00.00	00.00	0.00	00.00	00.00	0000	100.0	0000	000

155

1100

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

130 13

9886

CEILING							KIN	VISIBILITY (STATUTE	ATUTE MILES	i c						
(18)	2	NI NI	8 41	7	6 41	2 2%	7 7	VI 71	¥1 ¥	-	AI N	*	2 Al	2 5/16	AI	AI AI
O CEILING		52.3	57.4	3				10.3		70.3	70.3		10.	10.	10.	10.
≥ 20000		54.8	:	66.5		2	74.5	•			74.2	74.2	74.	74.	74.	74.2
≥ 18000	21.3	24.8	0000	66.5	70.3	12.9	74.2	74.2	74.2	74.2	1	74.2	74.2	14	74	
≥ 16000		24.8	:	66.5		•	-					•		14.	74.	•
100		55.5	-	1.19	-		-			75.5		15:5		75.	75.	75.
≥ 12000		56.1	61.3	67.7		00	_		-	•		9		76.	76.	76.
		58.1		0.60			-		-	78.1	78.1	78.1	78.	78.1	78.1	78.
000		58.1	-	69.7		00	-	78.1		78.1	78.1	78.1	78.	78.1	78.1	78.
1		58.1	-	69.7		-	-		-	78.7	78.7	78.7	78.	78.7	78.7	78.
7000		58.1	-	-	*	00	-	78.7	-	•	78.7	78.7	78.	78.7	78.7	78.
1		58.1				0			78.7			78.7	76.7	78.7	78.7	.8
000		58.7	*	70.3	*		-	19.4	-	79.4		79.4	79.4	19.4	79.4	79.
1		58.7	-	10.3		3.	1 -	19.4	-	6	18.	6	18.		18.	
000		29.4	:	71.0	2	7.	-		80.0	80.0			00	80.	80	80.
1		60.7	65.8	72.3	76.8	4	1 -				81.		81.3	1 61.3	81.3	81.
3000		61.9	:	73.6		1.0	-	2	-	2	82.	95.6	~	2		82.
1		60.7		81.9	•	0	-	0.16		-	16	91.0	-	:		
2000		73.6	80.0	86.5	-	3.6	-		-	3	95.	95.5	-		95.5	
		13.6	30.0		-	•	-	95.5	-	3	\$5.	95.5	2	5		
1 1 200		74.8	:	87.7	85.3	4.3	96.8		-	96.8		8.96		8 96 8	96.8	96
1		14.8	81.3	87.7	2.	4.8	-		-	-	0	97.4		1.		97.
900		73.5	81.9	83.4	2.		1.86		7.86	8	0	98.7			98.7	
		75.5	81.9		2.	5.5	-		-	98.7	0	98.7		98.7	98.7	. 86
88		75.5	81.9	4.6	2.	5.5	-	98.7	-	00	o	98.7	98.7	98.7	98.7	. 86
		75.5	81.9			1	-	1.86	-	98.7	98.7	48.7	96.7	98.7	98.7	
8		76.1	~	89.0	3	6.1	-	4.66	-		4.66	4.66	4.66	0	4.66	
		1.00	0.70	0.68		9	0000		0	0000		100	01	0.0010	100.0	
8		76.1		0.68	3			100.001	0	0	-	100	100	100.	100.0	
		1.91	95.0	0.69	93.0			00.00	100.001		-	100.0	100.0	-	100	100.
200		76.1	82.0	89.0	3	96	0000	100.00	100.001	0.001	100.0	100.0	100.0	10000	100.0	100.
8		1.91	85.6	0.68	93.6	1096	0000	00.001	100.00	0000	100.0	100.0	100.0	10000	100.0	100

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16

CEILING							VISI	BILITY (STA	VISIBILITY (STATUTE MILES)	SS.						
(FEET)	21	o Al	81	**	21	≥ 2%	Z AI	VI 71	¥1 VI		% Al	*	Z AI	≥ 5/16	VI VI	0 11
NO CEILING		510	5	39.4		0.69		71.6				9.11		-		11.6
> 20000		54.	0	64.5	70.3	*	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
V 18000		54.	0	64.5	0			78.1				78.1	78.1		78.1	78.1
14000		54.	0	64.3	0		77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	1.91	78.1
	1 .	55.	0	65.2					8		18.1	8		8	78.7	
12000		56.	-		72.3		79.4	•	80.0	0		0	0	0	•	80.0
1		26.	:	66.5			6	0	0	80.0	0	80.0	0	0.08	0	80.0
0006			6119	66.5	72.3	76.8	79.4	80.0				0.00	80.0			80.0
1		56.	2	67.1			0	80.7	0	80.7			0	80.7	0	80.7
1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		57.		67.7	73.6		80.7	-	81.3	:	81.3	81.3	81.3	-	81.3	81.3
1		37.	3.	67.1			0	:	-	81,3				-		81.3
2000		57.	3	67.7			0	81,3	-	61.3	81.3		81.3	81.3	=	81.3
1		58.	3.	68.4		20	-	:	-	-	:			-		81.9
141		29	5	1.69	3	0		83.2		3	3		83.2	3	83.2	83.2
1		09			9		4		*			94.5				84.5
3000		5	-	72.3		2.		5	3	5	3			3.	85.8	85.8
1		68.	-	76.1	-		6		6	6		89.7	89.7		89.7	89.7
1 7 2000		69	75.5		86.5	-	93.6	3.46	2.46		94.2		2.46		34.5	34.2
1		69	2				1	34.5	*			2006	2006			34.2
1500		72	8		6	3		97.4	7.	-			97.4	-	97.4	97.4
		72.	10	83.2	5		0	3.16	-		4.16	91.4	4.16		4.16	
1000		72	00	83.9	89.7	. 4		98.7	8	•	186	186	98.7		18.1	98.7
		72.	O	63.9				1.86	1.86	8	1.86	186	18.1	1.86	18.7	98.7
8		72.	78.7		89.7		-	186		8	1.86	98.7	28.1		48.1	98.7
		13.	0	84.5							4.66	4.66	4.66	6	4.66	40.66
9	•	73	19.4		8006	•				6	4.66	4.66	4.66	4.66	4.66	
		13.	0	84.5	0	94.8		4.66		6		7.66	4.66	6	4.66	4.66
141					8006	•	1.86		4.66	4.66	4.66	4.66	4.66	4.66	4.66	40.66
		-		4.		8.46		4.66		6	4.66			40.66	40.66	99.4
141	24.5	73	19.4	84.5	8006	•		4.66	4.66		4.66	30.6		100.001	0000	0001
		13.		84.5	6.06	94.8	1.86	4.66	4.66	7.66	4.66		0000	0.0	00	000
111	24.5		0	84.5	90.3	8.76	98.1	4.66	4.66	4.66	4.66	90.4	0.00	100.001	0000	0000

155

TOTAL NUMBER OF OBSERVATIONS

28.0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA STATION MANE

93107

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19 19 HOURS (1.5.7.)

25

CEILING							VISII	HUTY (STA	VISIBILITY (STATUTE MILES)	Si Si						
(FEET)	5	o Al	\$0 A1	4	8	2 2%	1 2 2	N 1%	VI VI	-	% Al	*	Z AI	≥ 5/16	VI %	٨١
NO CEILING		51.		0	65.2				67.1		67.1				67.1	67.1
≥ 20000		53.	6	-	67.7	1.	6		69.7	ċ	70.3		70.3		•	70.3
		53.	6	•		•	2.69		69.7	0	70.3		70.3		70.3	70.3
¥ 16000		53.		-	67.7	-	6		2.69	0					•	70.3
		53.		•						0	0				70.3	70.3
2 12000		54.	0				ò					71.0	71.0		•	
		54.	0	N	.0	68.4				-					•	
0006		54.	0		4.89	00				-	71.0				•	71.0
		54.	-	4		•				2	•					
2000		35	-	1		-				3		•			•	
1		55.	-							3						
2000		56.	2	30		-				*						74.2
1		56.	7	5	-	-				4						
141		57.	3	-						5						75.5
1		56	9	6		5				8						78.1
3000		59.			5	<b>*</b>	-			8			78.1		8	78.1
1		. 40	:	*		0				3						83.2
7000		66.	3	•	2	~	;			3	2				2	85.2
1		67.	3	77.4	83.2		83.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8
1500	•	69	0.	0	•	9	*			6		•				89.0
		71.	8	2			•			-	•	•	0.16			91.0
1000		13.	31.00		2	2	34.5		•		94.8			•		94.8
		73.	1.		•	5.	•			. 5		8 . 56			8. 76	94.8
008		74.	-			2		•		2		•			5	95.5
		14.	:			2.					•		96.1		1096	1.96
009		74.		85.8		3	•			9	•	•-				96.1
		74.	81.9	5		2				9		•			•	96.1
7 400		74.	81.9	3		17	•			9	•	8 . 96	8.96	96.8	8.96	96.8
88	16.8	74.2	3.	•	93.6	93.0	1.96	1 96	1.96	96.8	96.8	8 9 9 6	90.06	96.8	96.8	96.8
		. 4	0	82.0	•	3					•	1.84	1004	1801	•	1.06
92		14.	20 0	•	24.5	3	26.0	90.06	96.8	98.1	100	1 66	700	78.7	4.66	44.4
-	10.0	•	21.9	85.5		5	•	•	•		1006	1004	100	180	33.4	000

TOTAL NUMBER OF OBSERVATIONS

19.8

5703 CEILING VERSUS VISIBILITY JAN 78

## CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107

0

0

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DCT.

	-
	-
~	12
2	-

(FEET)				Name and Address of the Owner, where the Person of	-											
	0 41	9 Al	<b>S</b>	4 1	M Ai	1 2%	7 1	VI %	× 1	- AI	% Al	≱ Al	Z Al	≥ 5/16	NI NI	٨١
NO CEILING		1.14	48.4	0.64	0	6.06		1:	:	-	:		1:		2 . 3	
≥ 20000		47.7	0.6	1.64	51.0	51.0		-	51.6		2	~		52.3	52.9	52.
		47.7	49.0	40.	-			-	-	-	2.	1:				
14000		47.7	0.65	1.64	21.0	51.0	31.6	51.6	-	51.6	52.3	52,3	52.3	52.3	52.9	52.
			0.64	49.1	51.0			L	-	-						52.
12000	0	47.7	0.65		51.0			-	-	-		3		2		52.
	0	48.4	49.1		52.9				3.					*		54.
000	D	48.4	49.7	51.0	52.9					-						54.
1	2	50.3	51.6	2	54.8		3	3	3	5						36
7 7 8 8 8	3	51.0	52.3	53.6	55.5	58.5		•	. 9	9		56.8		56.8	57.4	57.
1	10	52.3	53.0		56.8		:	-	-	-						58.
2000	00	52.9	24.5		37.4			8	8	1	58.7	58.7		58.7		59
1	10	53.6	54.0	0	58.7		6		6	6						909
1 11		53.6	54.8	9		29.4	0.09	0	0	0	2009	1.09				61.
1	00	24.2	2001					:	-	-				-		62.
300	00	54.8	56.8	58.1		61.3	-	-	-					65.6	3	63
	-	0000	61.9	3		9	=	-		-		67.1				68.
00 1 A I	-	62.6	64.3	65.8		6	6		6	69.7					-	:
	-	2.60	2.59			0	0	0	0						L	7.
1 71		65.2	67.7	0.69		72.3	2	72.9		~		73.6			74.2	74.
1	-	67.1	10.3	71.6		13	.0		0	0				0	-	-
1 11	~	70.3	75.3			80.7	•	81.3	-					81.9	85.6	82.
	-	10.3	15.5	17.4		-	-	6.18			82.0	9578		2.	83.2	
1 11	-	71.0	1001	78.1	95.0	82.6	83.2		83.2		83.0	83.9			84.5	40
	-	0.11	1001	18.1	7	7	83.2	2.68				83.9		3	84.5	3.6
8	-	71.0	1001	78.7	3	83.5			3		85.8	85.8	•		•	86.
	1001	11.0	16.0	0.08		85.6	27.1				-	87.7				88
8	-	71.0	16.8	80.0	•	.0	88.4		6	0	6	89.7	0	6	90.3	06
1	-	11.0	16.8	0.08	0	87.1	1.68				:	91.6	:		95.3	92.
8	16.1	71.0	76.8	80.0		87.1	89.7		0	91.0	9116	91.6	91.6	91.6	5	92.
-	1.	11.0		.0	86.5	87.1		6006	8006		:	91.6	-			96
٥		71.0		0	•	-			0	-	:		-			001

155

TOTAL NUMBER OF OBSERVATIONS

SOMS SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

73-77

ALL ALL

<u> </u>	
PERCENTAGE FREQUENCY OF OCCURREN	(FROM HOURLY OBSERVATIONS)

CEILING																
(FEET)	5 71	٥ ٨١	\$ 1	<b>A</b> I	N AI	2 2%	12 2	V 75	71 7	- A1	¾ Al	AI	S.	≥ 5/16	M Al	Al
NO CEILING		43.5	40.8		2.		*	5		5	55	55.		3.		
≥ 20000	16.5	44.8			;			1.	-	-	37	57.				58.
	0	44.8			4 .		7.				5	57.		00		56
2 16000	16.5	44.8		51.8	55.0		-		7.	57.9	38	58	58.2	58.5	58.3	58.
1 100		2.54			3			*		80	58	58.		20		
12000		45.8			0		0		0	w	29	59.				
1 "					-		6			5	9	09		0		.09
800								6	0	6	9	.09		0		
1					8		-	-	-	-	9	.19		-		-
700				55.2	30			-		-	61	61		2.	62.3	
1							-	-	-	2	29	.20		2.		2
1 1					6			2.	2.	2	62	62.		2.		3
1	10.9	49.1			0		2.	3.	3		63	63.		*		3
1 41	17.0	50.2						,	*	*	54	64.		*		~
1	17.3	51.3			2.		5.	5	5	5	65	62		0		0
3000	17.5	53.3		61.1	;		1.	1.	1.	-	58	68			66.39	68
1	19.0	57.4			6		2	2.	2.	2	7	12.		2.		73.
2000	19.5	61.9			*		-	7.	-	-	77	77.		-		00
1	19.61	62.3			5		-		D	10	18	78.		00		-
8	19.8	04.0					-	-	-	2	82	82.		2.		2
1	19.61	62.9			0		3		3		33	83.		*		3
90	19.8	67.3			3		. 9	9	9	-	87	87.			87.6	87.
	19.8	67.3			3		.0				8	87.				88
8	19.8			2.61	*		-	7.		60	88.1	88	88.2	88.2	88.4	88
	19.8				*		30		00	00	00	88		6		0
8	19.61	67.8			3		6	6		6	0	89.		0		06
	19.8						0	0	0	-	-	91.		91.5		-
8	19.8	00						-			N	92.		2.	92.3	92.
	19.0	00					:	2.	2	2	93.0	93.	3			93.
. S	19.8	68.0	74.8	4.08	86.9	88.6	91.5	2.26	92.2	93.4	93.7	0	2.06	;		. 46
8	19.6	00		4.08				2.		3	63.9	63.		9.46	92.6	97.
					9											

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

MIRAMAR, CALIFORNIA

93107

0

0

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01 MON

CEILING							VISIA	BILITY (ST.	VISIBILITY (STATUTE MILES)	ŝ						
(FEET)	2	N AI	25	7	21	2 2%	2 41	V 13	7	Ã	*	# AI	S.	≥ 5/16	AI	O AI
NO CEILING	1 .	58.7	50.1	62.0	62.7	62.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
2 20000		0.09		63.3	4	0.49	1.49	1.49	64.7	04.7	64.7	64.7	64.7	64.7	1.49	64.7
> 18000		0.09	1	63.3	64.0	0.40	64.7	1.49	64.7	64.	64.	1000	64.7	04.	54.7	64.7
141	24.7	60.09		63.3	64.0	64.0	64.7	1.49	1.49	64.7	64.7	64.7	64.7	1.49	64.7	64.7
		0.09	1	63.3		0.40	1.499	1.49	1.49	64.1	64.	1000	1.59	04.	1000	64.
12000		60.7		0.49	1.49	1.50	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65,3	65.3	65.3
1		07.0	1	24.	65.3	6:0	0.99	0.99	0.99	0000	0.99	0000	90.0	0.99		0.99
900		610		64.7	65.3	65.3	-	0.09	0.09	0.99	0.99	0.99	0.99	0.99	0.99	0.99
1		62	1	65.3	0	0	1 -	1.99	66.7		56.	1 99	66.1	1.99		66.7
7000		62.		65.3	66.0	0.99	-	66.7		1.99	00.1	2000	66.7	66.7		66.7
ł		62.	1	65.3	0	0	1 -	1.99		66.	90	1.99	66.7	66.		66.7
900		62		65.3	0.99	0.99	66.7	66.7		66.7	1.99	1.99	66.7	66.7	66.7	66.7
1		63.	1	65.1	61.3	010	1 -	0.89		-	0.89	0.80	0.89	0.89	3.89	68.0
1 41			65.3	1.99	67.3	67.3	-	68.0			0.89	68.0	0.89		68.0	0.89
1		1	65.3	66.1	67.3	67.3	1 -	0.89			68.0	0.89	0.86	0.89	0.89	68.0
3000	25.3	65.3	67.3	68.7	69.3	66 3	70.0	70.0	0	70.0	70.0	10.0		70.0	20.0	70.0
1		1	1	72.7	73.3		0.4	0.4/		-	14.0	14.0	14.0	14.0	14.0	74.0
1 2000			75.3	77.3	78.0	78.0	78.7	78.7		-	78.7	78.7	78.7			78.7
		71.		77.3	0		78.7	78.7	78.7	-	78.7	18.7	18.7	18.1	78.7	78.7
1508		73.		80.0	30.7	80.7	81.3		81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
1		14.		60.	:			0.28	95.0	82.0	95.0	0.79	82.0		82.0	82.0
8				82.0	83.3	83.3		84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
1		14.		82.1		0.78	. 4	84.7	84.7	84.7	84.	24.7	84.7	44.7	84.7	84.7
8		75.		34.7	. 9	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	9	86.7	86.7
1		13.	_	85.3		-	87.3		87.3			88.0	88.0	88.0	88.0	88.0
8			-	83.3			88.7	88.7		6	•	89.3		6	89.3	89.3
			81.3	85.3					88.7	6		89.3	-	6		89.3
8			81.3	65.3	00	88.0	88.7	89.3	86.3	0.06	0.06	0.06	0.06	0.06	0.06	90.0
			61.3	65.3		98				-	-	9119	6116	91.3	6116	91.3
8 141	25.3	75.3	81.3	85.3	88.7	88.7	0.06	2006	40.1	-	91.3	91.3	61.3	91.3	6116	91.3
8	25.3	15.3	61.3	85.3				1.06	40.1	92.0	0.26	0.26	1.76	92.7	93.3	93.3
	25.3	75.3	61.3	85.3	88.7	88.		30.7	1006	2	0.26	92.0	93.3	93.3	0.46	000

TOTAL NUMBER OF OBSERVATIONS

150

3

## CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

73-77

-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NGN HOOM HOOM

3000

	N 0	68.		69	69	69	200	10.0	20.0	•	-	10.	20.	70.0	6	1	:		81.	82.	84.	84.	86.	87.		88.	38	88	91.	93.	93.	35	0
	× Al	68.7	6	6	69.3	69.3	70.0		10.0	70.0	70.0	10.0			70.0			6.	81.3	82.7	84.0	84.0	86.7		8			88.0			•	3.3	•
	≥ 5/16	68.7	69.3		69.3	60.3	70.0		70.0	70.0		10.0	ċ	70.0			74.0	9	81.3		84.0	84.0	86.7	87.3	88.0	88.0	88.0	88.0	91.3	43.3	93.3	•	0.04
	Z Al	1.89			69.3				70.0						70.0				81.3	84.7	84.0	84.0	86.7	87.3	88.0			88.0	91.3	93.3		63.3	•
	*	68.7	69.3		6	69.3	20.07	0.01	20.0	10.0	70.0	0.07	70.0	70.0	70.0	11.3	74.0	0.91	61.3		84.0	84.0				8		8	C	0.26	2	92.0	
	% Al	68.7							70.0								74.0		81.3	82.7	84.0	84.0	86.7	87.3		8	88.0	8	0		5	92.0	7
(5)	-	8		6	6		0	70.0	70.0		70.0	10.0	70.0	70.0		71.3		76.0	81.3	82.7	84.0	84.0	86.7	87.3		68.0	88.0	88.0	40.4	92.0	•	92.0	•
VISIBILITY (STATUTE MILES)	¥1 ¥1	0.89	68.7	68.7	68.7	68.7	69.3		69.3	6	69.3	69.3	6	6	69.3	0	73.3	3	0		83.3	83.3	86.0	86.7	-		87.3		6		1.06		0
BILITY (ST.	٧١ ٧٦	0.89	8	1.99	68.7	68.7			69.3						69.3			75.3			83.3	83.3	86.0	86.7		87.3	87.3	87.3	89.3	400	40.1	90.7	106
NISI	2 41		68.7	68.7	68.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	0	73.3	5	80.7	2.	m				87.3	87.3	87.3	87.3	88.7	0.06		0.06	
	> 21/2	1.99	67.3	67.3	67.3		68.0		00	0.89		68.0	00	0.89		69.3	72.0	3	0	60.7	82.0	82.0	7.48	65.3	0.38	86.0	86.0	86.0	87.3			0.89	20
	e Al	9	-	-	67.3	67.3	8		68.0	8	0.89	68.0		8	68.0	6	72.0	*	19.3	0	82.0	2.	84.7	85.3	86.0		9		87.3	98.0	8	88.0	9
	4	66.7	67.3		67.3	67.3	68.0	68.0			68.0	0.89	68.0	68.0	68.0			3	78.7	0	81.3		82.7	63.3	84.0	0.78	84.0	84.0	85.3	85.3	85.3	65	85.3
	۶۰ ۸۱	65.3	0.99		0.99	0.99	66.7		66.7		66.7	1.99	66.7			61.3	70.0	72.0	76.7	17.3	78.7	78.7	79.3	30.0	80.0	80.0	80.0	80.0		0.08	0	80.0	80.0
	• Al	4	;	*	64.7		-		65.3	5	5	*	5	3.	5	9			73.3			9			76.7	16.7	76.7	16.7	76.7	16.7	76.7	16.1	76.7
	5	29.3	29.3	29.3	29.3	29.3	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.1
CEILING	(FEET)	NO CEILING	> 20000	V 18000	7 16000	> 14000	7 12000		000	1	141		2000		000	1	3000	1	7 2000		180	1	9		8		8		8		30	8	1

TOTAL NUMBER OF OBSERVATIONS

150

SMOS

#### 

92.7

92.7

92.7

92.0

91.3 91.3

7.06 9103

88.0

80.0

17.3

74.0

48.0 0.9

88

AI AI

0

0.08

17.3 77.3

0.4/ 74.0

93.3 94.0

0.26

0.76

92.7

72.7

1.76

0.26

88.0

80.08

11.3

0.01 74.0

80

AI AI

0

0

48.0 0.84

88

AI AI

80.0

92.7

92.0 92.1

91.3 91.3

40.1

77.3 80.0 88.0

89.3

89.3

0.06

89.3

89.3

89.3

89.3

89.3

89.3

89.3

88.7 89.3

91.3

90.7 72.7

7.06

7.06

90.7

90.7

0.06

0.06 0.06

89.3

86.7

80.0

77.3

74.0 0.4/

48.0

88

AI AI

1

86.0

80.0

6.7

0.4

14.0

48.0 0.84

88

MIM

74.0 14.0

0.84

13.3

48.0 48.0

48.0

90

AI AI

0

68.7

47.3 48.0

3500

AI AI

0

46.7

40.7 46.7

450 400 400

ALAI

0

10.7

70.7

48.0 48.0

2000

AI AI

1001

8 8

ALAI

0

84.0

84.0

86.7

#### CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107 STATION

000

73-77

-

٨١

200

NO.

82.7 83.3 72.0 83.3 74.0 86.0 72.7 88.7 0.51 74.7 88.7 72.7 16.0 76.0 89.3 14.01 78.7 86.7 AI 14.0 83.3 83.3 74.0 96.0 72.0 73,3 73,3 89.3 13.3 78.7 83.3 73.3 13.3 74.7 86.7 88.7 72.7 14. 82.7 82.7 88.7 2 5/16 0.4 74.0 0.01 83.3 73.3 86.0 89.3 74.7 78.7 88.7 86.7 88.7 2 89.3 74.0 83.3 96.0 72.7 73.3 73.3 73.3 78.7 83.3 88.7 88.7 13.3 86.7 72.1 73.3 72.7 82.1 \* 16.0 83.3 0.4/ 74.0 82.7 83.3 83.3 83.3 83.3 86.0 89.3 73.3 73.3 73.3 73.3 73.3 73.3 13.3 73.3 73.3 73.3 88.7 74.7 78.7 1.78 88.7 86.7 72. % Al PERCENTAGE FREQUENCY OF OCCURRENCE 74.0 78.7 88.7 88.7 89.3 73.3 74.0 74.7 76.0 82.7 83.3 83.3 83.3 86.0 72.7 73.3 88.7 82.7 86.7 14.7 <u>-</u> VISIBILITY (STATUTE MILES) (FROM HOURLY OBSERVATIONS) 14.0 16.0 89.3 72.0 72.7 73.3 73.3 88.7 74.0 74.0 85.3 86.0 86.0 13.3 78.7 73.3 14.7 74.7 86.7 72.7 82.7 17 0.01 73.3 0.97 74.7 78.0 78.7 88.7 89.3 81.3 82.0 82.7 72.0 72.7 86.0 86.7 88.0.88.7 0.88 73.3 15.3 2.0 71.3 12.0 73.3 12.1 13.3 74.0 73.3 74.0 12.0 72.7 72.0 72.7 72.0 72.7 7 85.3 77.3 81.3 82.0 711.3 76.0 81.3 82.0 86.7 84.7 86.7 86.7 2 2% 72.7 71.3 71.3 11.3 71.3 72.0 14.0 72.0 76.7 86.0 86.0 11.3 72.7 84.0 70.7 76.0 80.7 66.0 70.0 7007 1001 64. e Al 76.0 0.08 68.0 0.89 0.89 68.7 78.0 67.3 04.0 56.7 68.0 0.01 18.7 54.0 50.7 68.0 72.7 80.0 63.3 56.0 67.3 68.7 80.0 67.3 67.3 68.7 4 74.0 1001 17.3 71.3 65.3 0.99 64.7 67.3 5.4 66.7 64.7 67.3 66.0 68.7 0.41 77.3 66.7 72.7 76.0 77.3 64.7 67.3 63.3 66.0 66.7 1

64.0

40.4

Y 1400

63.3

46.7 46.7

VI VI 8000 1 VI 0000

0

4

2

CEILING (FEET)

0

NO CEILING

2 20000

64.0

46.7

VI VI

O

64.0

40.7 46.7 46.7

AI AI

64.7

900

AI AI

TOTAL NUMBER OF OBSERVATIONS

150

96.0100.0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10 Nous NON

CEILING							VISIN	BILITY (STA	VISIBILITY (STATUTE MILES)	(\$)						
(FEET)	5	9 11	87	4	e Al	2 2%	2 4	7 1%	71 71	-	% Al	*	Z AI	≥ 5/16	AI .	O AI
	44.0	64	67.3	0.89			72.7	72.1	12.7	74.0	74.0	14.0	14.0	14.0	14.0	74.0
> 20000		90	•	10.0	74.0	14.0	75.3	75.3	75.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7
		99		1001	74.7	14.	76.0	76.0	76.0	77.3	77.3	77.3	11.3	77.3	77.3	77.3
≥ 16000		69	10.0	70.7	74.7	74.7	76.0	76.0	76.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3
		99	10.0	10.1	14.7	14.1	76.0	76.0	76.0	77.3	11.3	77.3	17.3	77.3	77.3	77.3
> 12000		68.	71.3	72.0	76.7	76.7		78.0	78.0	79.3	79.3	19.3	19.3	79.3	79.3	79.3
1		68.	72.0	72.7	17.3	17.3	78.7	78.7	78.7	80.0	80.0	9000	80.0	80.0	-	80.0
0006	46.0		72.0	72.7	77.3	17.3	78.7	78.7	78.7	80.0	80.0	80.0		80.0	80.	80.0
		68.	72.0	72.7	17.3	6.11	78.7	78.7	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0
7000			72.0	72.7	77.3	77.3	78.7	78.7	78.7	80.0	80.0	89.0	80.0	80.0	80.	80.0
1		68.	72.0	72.1	77.3	17.3	78.7	78.7	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0
2000		68	72.0	72.7	77.3	77.3	78.7	78.7	78.7	80.0	80.0	80.0	80.0	80.0		80.0
	-	68.		72.7	17.3	17.3	78.7	78.7		0	0	.0	0	0	80.	80.0
4000		70.	74.0	74.7	19.3	19.3	80.7	80.7	80.7	82.0	82.0	82.0	85.0	82.0	00	82.0
		72.	15.3	0.91	1008	100							83.3			83.3
3000	47.3	72.	75.3	76.0	80.7	80.1	82.0	85.0	82.0	83.3	83.3	83,3	83.3	83,3	83.3	83.3
1	48.0	17.	80.7	81.3	36.0	86.0	87.3	87.3	87.3	88.7		88.7	88.7	88.7	88.7	88.7
7 2000	48.0	80.	83.3	84.0	0.06	0.06	92.0	0.26	92.0	93,3	93.3	93.3	93.3	93.3	93.3	93.3
		80.	84.0		1006	-:	63.3	93.3	93.3	4.7	1.56	1006	1.76	94.7		1.76
1500	48.0		84.0	85.3	91.3	92.0		0.46	0.96	95.3	95.3	95.3	95.3	95.3	95.3	95.3
		80.	84.0	85.3	6116	95.0	0.96	0 46	0.96	65.3	65.3	95.3	62.3	95.3	95.3	95.3
1000		81.	84.7	86.0	0.26	92.7	64.7	95.3	95.3	196.7	96.7	196	1006	96.7	96.7	100
	48.0	81.	84.7		95.0	92.1	4.1		95.3		1.96		1.96	96.7	1.96	196.1
8 AI		85	85.3	86.7	92.7	0.76	0.96	1.96	1.96	98.0	0.86	0.86	98.0	98.0		0.86
		82.	85.3		92.7		0.96	1.96			00	0.86	0.86	98.0	.96	98.0
8		82	85.3	86.7	93.3	1.56	6.46	0.86	0.86	99.3	66.3	666	66.3	99.3	99.3	66.66
	48.0	82.	85.3		63.3	1006	61.6			0000	0			100.0	100	0000
N 400	48.0	82.	85.3	86.7	63.3	1.96	97.3	0.86	98.01	0000	0	100.001	10000	1000	100	0000
88		6220	200	86.7	63.3	1000	97.3		96.01		0	100.0	0.00	0001	100	0.00
		20			63.00	170	6	•				000	3 6			000
80	9 00	82.	200	200	63.5	94.7	97.0	8	98							900
	• 1							•			•		•	•		

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107

0

0

0

MIRAMAR, CALIFORNIA

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13 HOURS (1.5.7.) VON

2

CEITING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILE	(S						
(FEET)	2 1	9	87 Al	AI	e Al	≥ 2%	2 41	41 V	VI 3/1	-	% AI	*	Z AI	≥ 5/16	7	0 11
NO CEILING	38.0	20	72.0	73.3	70.7	78.0	78.7	13.3	13.3	80.7	90.7	80.7	90.7	80.7	90.7	80.7
00081 1				73.3	77.3			80.0			00	80.7		80.7	80.7	80.
		70.0	72.7	74.0	78.7				0		DN		80.7		82.0	80.
			74.0	75.3	80.0	80.7	82.0	82.7	22			83.3		83.3		83.3
	77			76.0	00		200	83.3					* *	84.0	* *	84.0
0000 A1 A1	42.0	72.7	75.3	76.0	80.7	81.3	83.3	84.0	83.3	84.7	84.0	84.7	84.0	84.0	84.0	84.7
4000	42.0	72.7	75.3	76.7	81.3	82.0		84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.
		74.7	76.7	78.7	83.3	83.3		85.3	85.3	86.0	86.0	87.3	87.3	85.0	86.0	87.3
1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A	44.7	82.0	84.7	82.0	90.7	92.7	94.0	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3
VI VI 0081		63.3	86.0	87.3	0.26	94.0		95.3	95.3	96.0	96.0	96.7		96.7	96.0	96.0
V1 V1 000 000	46.7	83.3	36.0	87.3	92.0	0.76	96.0	96.7	96.7	96.7	97.3	97.3	90.7	97.3	96.7	96.7
88	44.7	83.3	86.0	87.3	92.0	94.0	96.7	90.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
8 8	44.4	84.0	86.7	88.0	93.3	95.3	98.0	98.7	98.7	99.3	99.3	99.3	0.86	99.3	99.9	99.3
88	44.7	84.0	86.7	688	93.3	95.9	98.0	99.3	99.3	00000	00.00	100.001	0.001	100.0	1000.0	1000
88	44.1	84.0	86.7	88 88 68 60 60 60	93.3	95.3	98.0	66.3	99.3	00.00	00.00	100.0	00000	100.0	100.001	100
80	44.7	84.0	86.7	68.0	93.3	95.3	98.0	99.3	99.31	00.00	100.001	0.0010.	100.00	100.0	100.001	100

TOTAL NUMBER OF OBSERVATIONS

150

989

0

0

0

0

0

WAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

MIRAMAR, CALIFORNIA

93107

PERCENTAGE FREQUENCY OF OCCURRENCE

YEARS

16 >CN MONTH

144

87.3 6119 0.46 95.3 97.3100.0100.0100.0100.0100.0100.0100.0 96 84. ٨١ 98.0 0.46 98.0 0.86 97.3 99.3 99.3 99.3 99.3 99.3 98.0 0.86 87.3 85.3 87.3 87.3 87.3 89.3 91.3 95.3 1.96 66.3 91.3 91.3 86.7 84.7 84.7 84. 86.7 96.7 96.7 98.0 98.0 98.0 98.0 99.3 0.86 87.3 95.3 85.3 91.3 0.76 87.3 87.3 87.3 89.3 91.3 91.3 96.7 96.7 84.7 84.7 84.7 1.98 86.7 84.7 76.7 2 5/16 0.86 0.96 98.0 87.3 89.3 0. 56 95.3 98.0 87.3 87.3 91.3 91.3 85.3 6116 86.7 1.96 7.96 84.7 84.7 86.7 87.3 Al 87.3 98.0 0.86 87,3 89.3 616 91.3 0.86 98.0 95.3 87.3 91.3 0.46 1096 84.7 84.7 87.3 7.96 84.7 85.3 98.0 84.7 86.7 86.7 \* 0.86 0.86 0.86 85.3 87.3 87.3 89.3 616 95.3 98.0 91.3 0.96 94.7 96.7 96.7 66.3 97.3 99.3 99.3 84.7 86.7 63.3 84.7 65.3 65.3 87.3 87.3 89.3 91.3 91.3 96.0 96.0 98.0 98.0 1.98 87.3 1.96 84.7 96.7 96.7 0.86 98.0 87.3 87,3 0.46 6703 91.3 91.3 0.86 95.3 84.7 86.7 86.7 87.3 87.3 89.3 98.0 85.3 94.7 96.7 84.7 86.7 ۸۱ VISIBILITY (STATUTE MILES) (FROM HOURLY OBSERVATIONS) 0.96 0.96 0.26 83.3 85.3 89.3 90.0 97.3 85.3 93.3 7. 76 84.7 82.7 89.3 89.3 0.96 0.96 84.7 85.3 71 0.96 0.96 0.06 85.3 1.46 89.3 0.26 93.3 97.3 89.3 83.3 82.0 82.7 85.3 85.3 7.96 0.96 34.0 84. 64.0 94.1 7 7 84.0 0.46 82.0 61.3 95.3 82.0 95.3 82.0 95.3 32.7 88.7 92.7 95.3 87.3 88.7 95.3 7.06 84.7 88.7 63.3 84.7 64.7 1.96 96.7 1.96 000 7 93.3 0.46 63.3 87.3 93.3 0.76 0.06 91.3 93.3 0.46 80.7 63.3 84.0 65.3 92.7 00 62. 92.7 93.3 92.1 72 7 82.0 82.0 86.0 86.0 61.3 92.0 92.0 0.76 0.26 82.0 86.0 95.0 0.06 19.3 80.0 81.3 91.3 91.3 79.3 61.3 82.0 38.7 92.1 1.26 N Al 77.3 81.3 75.3 11.3 77.3 81,3 81.3 86.0 19.3 83.3 84.7 87.3 1.3 0.98 74.7 76.7 0.98 0.48 85.7 67.9 16.1 86.7 86. 86. 86. 1 72.0 72.7 75.3 75.3 20.11 79.3 E . . . 82.7 84.0 15.3 19.3 79.3 84.0 75.3 74.7 84.7 84.7 72.7 14.1 84.7 84.7 84.7 72.7 72.1 84. N 0.48 0.4/ 82.0 83.3 72.0 72.0 74.0 0.40 72.0 74.7 74.7 84.0 84.0 0.48 84.0 84.0 84.0 84.0 63.3 84.0 14.7 83.3 84.0 0.0 78.7 78.7 78.7 80.7 16.7 AI 39.3 39.3 39.3 39.3 39.3 39.3 39.3 39.3 38.7 40.7 40.7 40.7 .00 40.1 40.7 40.7 40.7 40. 40.1 0. 40.7 40.7 40.7 40.7 2 4 NO CEILING CEILING (FEET) 80 VI VI 8008 1 VI 0008 ≥ 20000 12000 00 g 800 7000 \$000 5000 3000 2000 964 900 138 88 88 88 88 8

11 11

AI AI

AI AI

AI AI

ALA

AI AI

A1 A1

11 11

0

AI AI

0

AI AI

AI AI

11 11

AI AI

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

73-77

19 NON

3868

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

		m	0	0	0	0	-	0	0	-	~	-	1	3	0	F	~	F	0	0	m	-	0	0	3	-	Ô	-	~	F	•	0	0
	AI	69	6	10.	0,	ė	6	12.	72.	12.	72.	72.	72.	73.	:	14.	77.	80	82,	82.	87.	88	90.	90	91.	92.	*	94.	96	96		98.	00
				0	0	0	-	0	0		-	-			0	-				0	3		0	0	3	-	0	-	~	-	3	0	9
	AI 2	60	2	0	0	0	2	12	72.	2	12	75	-	3		14	-		N		87		0	90	6	26	4		0			26	
	•	-		0		-	-	1		-	-	-		3	0		17	-	0.	0	-		0	0	m	-	0	-	~	-	•	•	6
	1 5/1	60	101	0	20	0	10	21	12	12	12.	12.	N				77.	80	82		87			06	91.	92		94	96	96	97.	16	97
		1				1		0	0	-	-		-	_		1		-	0	_		-	0	0			0	-	-			3	
	N X		ō				\ ·		72.			1	72.	13.	14.	74.	17.	80.	2							.76		94.	96		97.	16	6
		3	0			0	-	0	0	-	~	-	-		0		2		0	0	•	-		0	~	-	C	-	-	-	2	3	•
	AI AI	69	10	0	10.	0	10	21	72	2	72	7	72.	3	14.		17.		82.	82	87	88	90.	06	16	76		34		96		97	97
		_		0				1	0		~	_		_	0	-	m	-		0		-	0				0		~		7	•	m
	AI %	65	20	0	70.	0	70.	72	72.	7.	72.	7	72.	13.	74.	14.	77.	80	82.	82.	87.	88	90	90	91.	.26		. 76	96	96	97.	.16	97
		-	•	2	9	m	0	6	3	0	0	0	0	-	m	0	1	0	3	0	-	0	6	m	-	0	3	0	0	0	0	0	0
_	AI			69			20		7	2	25						16						68			32		94		96	96	96	
MILES		-							~	0	0					_			3			_									~	3	2
TUTE	71	99	69	69	69	69	70.	-	71.		72.	12.	72.	12	73.		76.	80.	81.	81.	86.	88	89	68		92.	63	94.		95	95	.56	95.
(STA		-		_				0	m	0	ō			-	2	0	~	0	m	•		_		7	1	0	3	0	3	m	~	3	6
VISIBILITY (STATUTE MILES)	X 1%			69	69	69	20	=	7	12	72	~	72.	12.	23		76.	80	83	8	96	88	83	89	90	26	93	56	95	63		66	
VISI	-	0	-	-	-	-	*	-	-	3	3	2	m	0	~	3	0	5	7	-	0	4			0	-	m	0	3	M	3	1	3
	AI		89	89			69	0	20	1	71		71	12	72	13	10					63		88		06		26		63	03	63	63
	2	6	0	0	0	0		0	0		-				~	0		0	•			0	~	0			0		0	0	0	0	0
	2 2%	63	0.8	03	68	68	68	0	20	0	2	0	20	F	7	12	7	13	13	5	8	86	87	8	00	00	06	06	3	5	92	26	
			0	0	0	0	1	0	0	-	-				3	0		0	3			0	~		~		0		0	0	0	0	0
	NI N			68	68	89	68	10	20	10	20		0	7	71	72	7	2	13			0	87		80	83		06		20	36	92	
		0		-	-		m		F.	-	•	7	3				m		100	6	-	0	3		-	3	C		2	3	3	3	3
	AI		99	99	9	99	67	68	63	69	69	69	69					10	1	F	82	98	80	63	86	8	8	88	83	00		68	
				-	F.	-	~	-	-	-	m	7	3	0	0		m	-	m		(r)	-	0	0	-	-	-	•	m	3	m	~	10
	AI O					90		99	99	9	2	0	29	99	28	99	=	14	15	13	10	80	83	25	2	82	85	83	83	83	83	83	33
				1												-	0	1													m		-
	Al	58	63	63	63	63	30	69	65	99	99	99	99	99	99	67.	10	3	7.4	14	18	9	80	80	60	80	80	81	81	20	81.	61.	81
		-	-	-	-	-	7	0	0	0	0	0	0	5	0	-	-	-	-	-	-	-	-	-	-	-	~	-			-	-	-
	N N	97	200	28	28	87	50	30	30	30	30	30	30	30	30	30	30	30	30.	30	30	30	30	30	30	30	30	30	0	0	30	30	30
		ç	-	-	-	-	_	1	_	-	_	-	_	-	_	-	_	-	_	-	_	-	_	-	_	-	_	-	_	-	_	-	1
CEILING	(EET)	(TIE)	20000	18000	16000	14000	2000	10000	800	8000	700	9009	900	150	8	3500	300	2500	200	1800	1500	1200	90	906	8	700	Ş	500	8	300	200	8	
2	2	S	AI	A	IAI		1 11	1	1 / 1	٨	i Ai	^	IAI	^	1 1	٨	IAI	^	۱۸۱	٨	1 / 1	٨	IAI	٨	A	A	IAI	A	IAI	1	IAI	Al	AI

TOTAL NUMBER OF OBSERVATIONS

150

=

### CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

73-77

YEARS

		0 1	5.3	68.7	68.7	68.7	68.7	68.7	0.0	0.04	0.0	10.0	0.0	70.0	0.0	71.3	2.7	3.3	1.9	80.0	80.7	82.7	4.7	8.0	8.7	6.3		2.0	2.7	3.3	3.3	0	000
25 NOURS (1.5.			3 65	7 6	1	7 6	1 6			•					00	2	1	3 7	11	0 8	7 8	7	4	8			3	0	1 9	3	0		7100
*now		AI 3	65	68	68	68	68	68	10.0	20.0	70.0	10.0	70.0	0		71.	72.	73.	76.	80.		85.	84.	88	88.	89		92.	92.	93.			90
		\$/16	5.3	8.1	8.7	8.7	8.7	8.7	10.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.7	3.3	1.9	80.0	0.1	2.7	4.7	8.0	8 . 7	9.3	1.3	2.0	2.1	3.3	3.3	0	900
		Al	3	0	1 68	7 68	1 68	7 68	0		0		0	-	0	-	-	3 7		8		7 8	7 8	88 0	2 8	3 89		0	6 1	3		0	00
		N N	65.	68	68.	68	. 99	88						0			72.	73.	16.	80		82.	84.	86.		86	91.	92.	92.	93.	93.	-	90
		*	6563	68.7	68.7	68.7	6897	68.7	10.0		70.0	10	70.0	10		71,3		73,3	16.7	80.0	80.7		84.7	88.0	88.7	89,3	91.3	92.0		93,3		24.0	4.40
		% Al	65.3	68.7	68.7	68.7		68.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	71.3		73,3		80.0		82.7	84.7	88.0	88.7	89.3		92.0	92.7	93.3	93.3	34.0	96.7
OCCURRENCE ATIONS)	(S	- -	64.7	68.0	68.0	68.0	68.0	68.0		69.3	69.3	69.3	69.3	69.3	69.3	70.7	72.0	72.7	76.0	6	0	82.0		87.3	88.0			106	91.3	92.0	92.0	- 1	92.7
CCUR	TUTE MILE	7 1%	64.7	68.0	0.89	68.0	0.89	0.89	6	69.3		69.3	69.3	69.3	69.3	70.7		72.7		19.3		85.0	84.0	87.3	88.0	88.7		2006	6116	92.0	92.0	0.74	92.7
SERV.	VISIBILITY (STATUTE MILES)	71 72	64.1	69.0		0.89	0.89	0.89		69.3	69.3	69.3	69.3	69.3	69.3	70.7	72.0	72.7	0.97	79.3	80.0	85.0	84.0	-	0.88	88.7	0.06	106	-				92.7
_	VISI	7 Al	64.7	0.89	0.89	0.89	68.0	68.0	69.3	69.3		69.3	69.3	69.3	69.3	70.7	72.0	72.7	16.0	6	80.0	82.0	34.0	87.3	0.88	00		1.06	6163	0.26	0.26	25.0	75.7
		> 2%	0.4	67.3	67.3	67.3	67.3	67.3		68.7	68.	68.7	68	68.7	68.7	20.01		72.0	15.3	78.7		61.3	83.3	86.7	87.3	88.0	66.3	0.06	2.06	91.3	9.00	607	92.0
PERCENTAGE (FROM		e vi	63.3		1.99	1.99	1.99	1.99	30	68.0	8	0.89		68.0	0.89	69.3	10.1	71.3		78.0	78.7		32.7	86.0	86.7	86.7	00				288	200	89.9
ERCEN		4	62.0	65.3	65.3	68.3	65.3	65.3	1.99	66.7	1.99	66.7	1.99	66.7	66.7	0.89	6.69	10.0	73.3	16.0	16.1	78.7	80.7	84.0	84.7		0.98	86.0	86.0	86.7	86.7	000	86.7
		S Al	61.3	54.7		64.7	64.7	2.49	0.99	0.99	0.99	0009	0.99	0.99		3				75.3	16.0		78.7		82.0		82.7	82.7	82.7	82.7	32.1	04.	82.7
		o Al				62.0										64.7			10.0							•							9 0
		2																															27.
	CEILING	(FEE)	NO CEILING	> 20000		16000		> 12000	1	0006 AI		> 7000	1	0006	1	7 4000		> 3000		> 2000	N 1800			2 1000	06 AI	8 AI		% AI		1 40	38		80

0

0

TOTAL NUMBER OF OBSERVATIONS

150

0220

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93107

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (LS.T.) NON

	0 1 % 1	73.3 59.4	2 2 2	73.5 73.6	.5 7		3.2	75.2 75.3	•	75.5 75.6		.7 7		0	6.		.0	.2 8	. 8	8.8 8	9.3 8	91.2 91.3	1.4 9	2.3	6 6.	80		95.4 95.5	6 1.		97.0 97.5	10
	≥ 5/16	3 69.3		5 73.5	73.	74.	15.	75.	75.	75.	75.	75.	76.	77.	11.	79.	82.	86.	_	88.	63	91.	•	92.	92.	0	9 34.6	0	6	4 96.4	96	0
	AI 2	3 69		5 73	73.	74.	13.	75.	75.	75.	75.	75.	76.	77.	1	79.	82.	86.	86.	8	89	-		5	7					•		
	*	3 69		73.	73.	74.	13.	75.	15.	75.	75.	75.	16.	77.	11.	4 79.	82.	96.	86.		89.	-	6	0	.26 6	0	. 46	95	_	0	•	96
	AI N	2 69.		73	73.	74.	15.	3	75.	75.	75.	75.	76.	77.	11.		82.	0 86.	7 86.	00	6	91.	91.	3				0 95.	3	9	96	8 96.
(ILES)	<u></u>	69.		10	73.	74.	75.	75.	75.	75.	75.	75.	76.	76.	77.	79.	82.	86.	30		89.	=		6 92.	0	8 93.			0	5 95.		_
STATUTE A	VI 2	6 68	12	72	72.	73.	14.	74.	14.	74.	14.	74.	75.	76.	11.	78.		00	86.	88.	88.	0	-	91.	0 92.	8 92.	4 93.	;	•	5 94.	. 96 9	96 9
VISIBILITY (STATUTE MILES)	V 1%	3 68.	-		72.		14.		74.	74.	74.	74.	5	76.	77.		00	80	00		00	0 60	0	91.	92.	5.		2 94.	0	7 94.		96 8
	1 4	3 68	-	4 72	-	-	-						-	-	16	3 78.	8 81.	œ	00	5 87.	œ	9	6 8		6	0	2		6	6 93.		7 93.
	1 2%	9 67			0 1	1	-			0	1	7	8	7		8 7	0	•	0	2	3	0	0	20	5 2	6	0		0 91.		7 91.	7 91.
	٨١	99	-	0	7	-	1 72.	1 72.	4 73.	4 73.	5 73	0	1 73	8 74.	5	1	4 80	8	000	4	0 86.			1 88.	00	6 89.		1 90.			1 90.	1 90.
	٨١	0	>	68	0	0	0 10	8 70.		1 70.	70	-	7	+	-	7 74.	-	0	2	9	30	00	0 84.				1 85	7 86.		7 86.		7 86.
	41	3 63			1		-		0	0	-	N	-		2		0	0	3	-	2	0	1		1		1		3	4	3	
	٨١	100					99	99	0	67	67	67	10 8	0 68	69 €	10	E/ 8	8 76	8 76	8 77	8 78	9 78			0				3	.62 6.		9 79
	71	33	+		+	_	+	_			-	_	35	36	36	36	36	36	36	36	36	36	36	_	36	36	-	36	30		-	-
CEILING	(FEET)	NO CEILING		VI VI 0008 1 4000		1 7 1 2000	1	000		141	1	2000	1	1 41	1	300	1	141		141	-	1 11		8		1 1 1		1 11		3		1 11

TOTAL NUMBER OF OBSERVATIONS

1200

=

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10 DEC

CEILING							VISIN	VISIBILITY (STATUTE MILES)	NTUTE MILE	(S)						
(FEET)	5 1	o Al	\$ 21	1	6 41	> 2%	2 2	N 1%	¥1 VI	-	× Al	*	Z AI	2 5/16	N AI	0 1
NO CEILING	-	6	0.09	1	3		5	5.		5	5		0		0	67.7
20000	-	60.7	61.3	4	5			60.5		9	67,1		67.7		•	0.69
> 18000	-	0	610	3	5		0	.0		9			-		0	0.69
14000	21.9	1.09	61.9	64.3	65.2	65.2	66.5		60.3	66.5	67.1	67.1	67.7	67.7		0.69
	-	0	61.3	4	5		.0			9					9	0.69
12000	3	-	62.6	65.9	9		-			-					9	70.3
1	2.	4.	55.5	100			0			0			-		72.	72.9
000	2.	*	65.2	68.4	6		0	70.3		70.3	71.0				-	12.9
1	2		65.2	<b>3</b>	6		ò			0					72.	72.9
141	2.	;	65.2	4.89	6		0			0					72.	72.9
1	2		65.6	5	5		-			-					72.	73.6
800	2		65.8	0.69	6		-			-					72.	73.6
1	2		65.8	O.	6		-			=					72.	73.6
8	2.		65.0	C	.6		-			-					72.	73.6
1	3		67.1	O	-		2			2.					- *	14.8
300	3	-	4.89	-	2		-			-					75.	76.1
1	3	6	70.3	40	*		3			3					1	78.1
1 2000			71.0	4	2					9					78.	10.4
1800	3.	0	72.3	73.5			-								19.	80.0
1300	3.	-	73.6	0	-								0		80.	81.3
	3		16.8	0	-		2			2			3		98	85.2
90	3	5	79.4	3	;		S								87	88.4
	3		40.61	3.			5			3.			87.1		90	
008 Al	3	5	19.4	3	;		•						-		88.	
	3	2	4061	3.	*		9			•			88.4		89.	89.7
8			19.4		3	3	-			-					90.	
	3	3	40.61	*	2		-			8	6				91.	
8		5	79.4	82.8	-	-	6		6006	8006	-				0	
	3	3.	19.4	2			0			-	2				. 76	
30	3	5	19.4		87.1	•	-	91.6	•	91.6			34.5		36	95.5
901	3	3.		85.8	•	87.1	-	:		-	5				3	
	3	2	19.4	85.0	-	87.7	-	-		-	9			•	95.	
	1	1	1	-	-								١			

TOTAL NUMBER OF OBSERVATIONS

155

1800

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DEC

04 04

	O Al	69	-	7.	1:	:	71.	13.	73.6	13.	73.		74.	14.	74.	15.	77.	18.	81.	81.	85.	82.	89.	68	91.	91.	93.	93.	95.		96	.86	00
	× AI		0.1	11.0	71.0		71.0		73.6	3			•	8.41			77.4	1.8/		6.18	85.2		89.0		91.0	9.16	93.6		95.5		1.96	1.	98.11
	≥ 5/16	0.69	0 .1	11.0	71.0	11.0	71.0	13.6	73.6		73.6			8 . 4/	74.8	15.5	77.4	1.81	81.3	6119	85.2		89.0	89.7	91.0	916	93.6	93.6	95.5	62.5	1.96	44.6	97.4
	% Al	0.69	0.1	11.0	71.0		71.0		73.6			2.41	74.2		14.8	15.5	77.4	18.1	81,3	6118	85.2		89.0	1068	0.16	91.6	93.6		95.5		1.06	•	4.16
	*	0.69	0.1	11.0	71.0	0.11	71.0	13.6	13.6	13.6	13.6	2001	74.2		74.8	13.5	77.4	1891	81.3	81.9	85.2			89.7	0.16	916	93.6	93.6	95.5	6966	1.96	96.8	8 . 96
	NI AI	0.69	-	1.0	71.0	0.1	71.0	13.6	73.6	13.6		*	*			5					85.2	85.8		1.68	0.16	•	3	3	95.5	3		•	8.96
6	-	4.80		10.3	70.3	70.3	70.3	72.9	72.9	72.9	•	13.6	73.6	74.2		74.8	76.8		80.7	81.3	84.5	85.2	68.4	89.0	6006	0.16	65.6	65.6	94.8	8. 76	62.6	96.1	96.1
TUTE MILE	¥1 ¥	4.89	•	10.3	70.3	10.3	70.3		72.9		72.9		73.6	*	74.2		76.8		80.7	81.3	84.5	85.2	87.7	88.4		80.06		92.3	2.96		2.56		8. 46
VISIBILITY (STATUTE MILES)	V 1%	4.89			70.3			12.9		72.9			73.6		74.2		16.8			81.3	84.5	85.2	87.7	4.08	89.7	6006	92.3	6.26	2.46	•	2.46	8 . 46	8. 46
VISIR	2 41								72.9				73.0	*	74.2	3	.9	7.7.4		-	84.5			4.88	89.7		2.	2	34.5	2.46		-	2.56
	≥ 2%	68.4	0	•	70.3				72.9			3.0		7.41	74.2	14.8		3.1	0	-	84.5		87.7	88.4			0.16	•	95.9	92.9	92.9	92.9	6.26
	es Al	4080	5	0	70.3	•	70.3	2.			72.9			-	;	. 5		11.4	0			3.58		88.4		8.06	016	-		2	6.76	2	6.26
	4	100	1000	1.69	1.69	1.69	69.7		72.3	72.3	72.3		72.9		13.6	14.2	76.1	0.91	80.0		83.9	83.5	86.5	86.3	87.7	4.88	89.0	0.69	80.3	•	606	•	90.3
	\$ 41	6000	4.00	4.89	4.89	4.80	4.89	0.1	71.0	71.0	71.0	0.1	71.0	1203	72.3	12.9	74.8	15.3	78.7	19.4	82.0	85.6	83.2	83.2	83.9	84.3	35.2	85.2	85.0	85.8	25.0	85.G	85.8
	9 Al	2.69																														0.00	
	0 1	53.9		•																													
CEILING	(FEET)		1 20000		16000		12000		000	1	700	1	2000	1	804	1	300	1	2000	1	1500		90		8		8		9		30		٥

TOTAL NUMBER OF OBSERVATIONS

155

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

NO CEILING IV 20000 IV 18000

CEILING (FEET) 12000

0

VI VI 7000 9000

RNIA

73-77

7.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

000 07

200

	٨١			73.6	3	;		9	76.8	7.04		77.4	78.7		78.7		30.7	83.9	33.9	85.8	38.4	90.3			94.8	35.8	96.8	38.1	98.1	38.		00
	× AI		30	72.9	6.	3.6	1.0	7		9	•	;		æ		8.7	0	3.5	3.5	2.5		1.6	3	5.9	2.	4.8	1.	7.4	4.7	4.7.4	1000	-
	≥ 5/16		00	72.9		9		-	7		00	00	-		1.		0	2	2	• 5		1	0	6	4.2	4 . 8	1.96	7.4	7.4	47.4		18.1
	Z AI	69.7	3	72.9			1001	0		16.8		•	16.1	8	20	78.7		3	83.2	3		6	6006		2.46		1.96	4.16	4.16	31.0	4.	\$1.0
	*	59.7		72.9						•-			78.1								87.7		90.3		2.46				•		40.00	31.0
	% AI		20	72.9			0		0	0	9		78.1	8	80	0		3		3		89.7		5	7.56	•	1.96		4.16	•.	40.00	21.04
ES)	71	6	-	72.3	2.	2	23	3	5	9	0	9		-	-	80	0	2		4	-		6	-	-	N	173	. 4		4		4
VISIBILITY (STATUTE MILES)	¥1 Y	69.0	-	72.3						0		0	17.4			78.1	0	2	82.6	3	86.5	1.		6		0	0116	5	2.		26.3	
IBILITY (ST	VI %1	69.0	•	72.3										•		78.1									0	0	:	5.	6.36	2		2
VIS	7			72.3					3	0	.0	.0		2	7.	00		2		6		2	•	5	•	0		2	~	N	25.5	2
	2 2 1/2		0	71.0	-	-	4.	4	•	4	•	*			9	9	20	-		2.	5.	85.8	9	-	4 8 8	8		6	0.68	2		63.0
	K 41		5-	71.0	-		;	*	3	•	*		75.1				8	81.	81.	62.	84.		85.	97.	Œ	87.	98.4	8	4.88		300	
	4	67.1	00		10	7.	13.	73.	73.	74.	74.	74.	13.	73.	78.	76.	77.4	80.	80.	80.	61.		83.	83	84.	* 40	20	84.	84.	23 0	*	
	\$ 1	200	0	-	10.	71.	3.	73.	13.	14.	14.	74.	14.	74.	74.	75.	76.	79.	-	80.	8		81.	82.	63.	83.	83.	83.	63	6.5		63.
	9 11	65.8	60	69	69	69	12.	72.	72.	72.	72.	72.	73.	73.	73.	74.	75.	77.	1	77.	78.	78.	78	19.	60.	80.	80.	80.	0.0	000	0	909
	5 71	40.0																											•			•
		10			1		1	1		1									1											T		

1500

2500

3000

1200

88

88

88

88

80

TOTAL NUMBER OF OBSERVATIONS

155

#### DE 8 0

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

73-77

HOURS (L S T DEC 10

		1-1	_	-	-	-			_	-	_	-	_	_	_	I-a	_	-	_	-	_	10:	-	-	_		_	-	-	-	_
	٨١	65.2	72.9	73.6	73.6	73.6	74.2	76.8	76.8	79.4	79.4	79.4	80.0	80.7	81.3	81.9	81.9	83.9	88.4	88.4	92.3	34.5	94.8	94.8	97.4	98.1	98.1	4.66	000	0	4
	× 1	2.50	12.9		13.6	3.6	74.5	8.9	•	3.61	\$ . 61	4.61	80.0	0	-	-			88.4		2.	2.50	*	8 . 46	4.1	1.86	18.1	4.66	0	00.00	
	5/16	5.2	6.2	3.6	3.6	•	4.2		6.8		3.4						6.1		4.		2.3	4.2 9		4.8	4.	7.	7	-	.01	-	
	Λİ	9 2	6	9	6 7	-	-		200		4 7	-		18			0		00	00		0	0				6		010	10	-
	۸I	65	72.	3.	73.	3.	14.	10.	76.	5	19	19.	80.		81.	81.	81.	83.	88	86.	92.	94.	94	94.	97.	98	96	66	100	100	
	*	5	72.9		73.6		74.2		16.8				80.0	0	-	-	-	3	88.4		2	4		8 . 76	-	98.1	98.1	6	0.0	0.	-
	% Al	5	72.9		73.6						19.4	0	80.0	0	-	-	81.9	3.	88.4	88.4	6.26	2006	94.6			1 96	1.86	6	00.00	0	4
	- 1	5.2	6		3.6	3.6	4.2	6.8		9.6		3.	0.0	1.0	1.3	6.	000	3.9	9.4	5.0	2.3	4.2	4.8	8 . 4	7.4	8.1	8.1		9.41	14.6	
WILES)	7.	.5 6			6.		.6	.1.	.17	. 7.	1			0			m	2	7		0		. 2		8		œ.		*		•
STATUTE	λī	0	3 72		-		~	9/ 1	1 76	1 78	-		4 79	80	00	00	30	20	7 87	00		0		5	0	3	3	5	0	16 4	0
VISIBILITY (STATUTE MILES)	۲۱ ۲۷	99	72.	72.	72.	72.		76.	76.	78.			19.	0	80.	-	-	3	-		-		*	*	96	0			-	91.	•
VIS	7	64.5	72.3		72.9		73.6	9	76.1	8		00	79.4	0	0	=	-	-		:	-	17		3	•	.0		. 9	96.8		,
	> 21/2	54.5	71.6		72.3	•	72.9	15.5	•	18.1	78.1	100	78.7		0	0	0	2	87.1		-	~			2		95.5		95.5	95.5	2
	es Al	3.9	1.0	-	1.6		2.3	4.0	8.4	1.4			78.1	-	4	0	0	6	5	.5			0	6.	8				8 . 40		0
	•		7 7.6		0.3	0.3	1.0 7		3.6 7		5.5	5	6.1 7	0	4	-		0	3.9	0	5.8		8.4	4	0.3 9	43	£.0	. 3	0.3 9		
	٨١		2	-	1							3	0	0	7	8	7	2	~	0			N	2		~		0	2 9	6	0
	VI S	90		0		9	67	2		12	72	72	72	73	74	4		10	78	1		82		33	83	85			8 2		
	٥ ٨١	58.7	4	5	5	5	5		8	0	0	0		-	2	2		*	0		8	0	ċ	0	-	-	-	-	81.9	-	
	5	36.6	40.7	41.3	41.3	41.3	41.3	45.6	45.6	43.5	43.2	43.2	43.2	43.9	43.9	43.9	43.9	44.3	44.5	44.5	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	
CEILING	(FEET)	NO CEILING	> 20000		2 16000		> 12000		000		700	1	200	1	141		3000		300	1	141	1	00		8		8		141	300	

TOTAL NUMBER OF OBSERVATIONS

155

22

97.4 99.4100.0100.0100.0100.0100.0100.0

97.4 97.4 99.4100.0100.0100.0100.0100.0100.0100.0

.0010.0010.0010.0010.0010.0010.0010.00

4.16

4.16

96.8

96.8

94.8 95.5

4.16

94.8 95.5 96.8

80.06 6.06

85.2 2.68 85.2

45.2

80

81.9 85.2 81.9 91.9 81.9

7.54 45.2 45.2

88

AI AI

RAMAR, CALIFORNIA

IN SERVICE DETACHMENT, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13 HOURS (1.5.7.) DEC

200

	0	0.0	. E	3.2	5.6	8 8	8 8	5.50	3.	3.6	1.8	4.5	. 4	000	0.0	0.0	000
	۸۱	0 3	80		8 8	8 8	8 8	86	8 8			98	96	100	100	100	100
	7/	.00		9.2				25				* 1.		00	000	00	00
	Al	80	81	8 8	8 8	8 8	8 8	86	8 8	93		96	86	000	000	000	00
	5/16	-0	- 60	0 0	00	00 CC	<b>20 20</b>	50		00	- 30	41	. 4	00	00	00	00
	> 2	69		m 10		2 3	S S	00	68				96	00	000	000	000
		-0	- m	0 2	00	00 NO	00 00	n n		0 10	~ 30	31	- 4	00	00	00	00
	VI Z	80		83	83	35	83	86	89	63	96		96	000	000	000	00
	-	-0			-	00 00	80 GO	in in		0 10	80	41	- 4	00	000	00	10
	*	80		83.		85.	5.5	90	-0	5 5	96	- 8	99	000	000	000	000
				9 74			20 23			00		4 1	- 4	500	010	000	010
	% Al	60		Nm		2	200	00	-0	3	00	- 80	00	00	00	00	00
		000		00 00	00 00	co co	80 00 80 00	00 00	<b>6</b> 60	00	00	00	00		-	000	-
	-			3.2		50 50		6.5	-0	3.6		. 80	. 4	000	0.0	0.0	0.0
ES)	ΑI			00 00					ကတ			00		001	1001	100	100
E MIL	11/4	.0		90						0.0		4.	L. 4.	00	000	000	00
VISIBILITY (STATUTE MILES)	Al	80	80	200	8 8	8 8 10 10	00 00	86	8 9		96	98	99	000	001	000	001
r (ST,	174	-0	- m	9 2	20	သထ	<b>x</b> x	· ·		0 10		4 1-	- 3	00	00	00	00
BILIT	VI.	000	80	8 82	83	8 8	8 8		8 9	9 9	96		96	000	000	000	000
VISI		-0	~ 7	0 2	20	20 20	ao ao	50 10	75	00	-100	4 1	1.4	00	00	00	00
	AI	80	000	3 CO		80 80 80 80	80 80 80 80	000	897	9 50	96	0 0	300	000	000	000	000
		04	10	00	NN	NN	NN	<b>x x</b>	0 0	0, 00	n -	0 -1	-1	4 4	3 4	4 3	4 4
	≥ 21/2	69	80	82				8 30		95	900	96	000	000	66	66	66
		41	40	ma	00	S	5	22	00 4	mN	~ =	w as	0 4				
	۸I	73	96	2 2	82	4 4	48	8 2	S 80	36	46	96	96	98	98	300	98
		su uo	m ~	2 -4				m m	or in	4 5	- 10	OM	m C	0.0	0.0	00	00
	VI	74	13	2	2 3	80	0.0		84	8 6	6 6	92	92	300	63	633	33
		20	N 00	10	4 4	4 4	4 4	00					30	00	00	0 0	00
	۷5 ۸۱	30	4 4	76.	-:	6.0		00		- 80	20 6	5.4				==	-:-
				OM													
	10			72.													
				20													
	9															* * *	
	AI	4	4 4	42	4 4	4 4	4 4	3 3	4 4	3 3	3 3	3 3	2 2	4 4	4 4	4 4	2 4
9		2 8	88	88	88	88	88	88	88	88	88	88	00	800	8 9	300	80
BILING	Ē	CEILING 20000	9 0	14000	9000	7000	9000	4500		2500		1200					
		\$ A	AI AI	ALAI	ALAI	ALAI	ALAI	ALAI	ALAI	ALAI	ALAI	ALAI	ALAI	ALAI	ALAI	ALAI	ALAI

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

101166

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16 HOURS (1.5.T.) DEC

	٨١	76.8	78.1	100	31.9	33.2	33.2	36.5	87.1	87.7	87.7	87.7		89.0	916	92.3		94.8	70.0	2 8 6	98.7	98.7	98.7	98.7	98.7	000	000	0000
	M AI	76.8	1.8.1	•	81.9			80.00	7.	17.78	67.7	7.7	1.1	0.6	1.0	2.3	5.3		0.00				. 7		_	10.0	-	00.010
	> 5/16	76.8	78.1	0	81.9	• 2	3.5	86.00		87.7	87.7	7.7	1.1	0.6	0.	2.3		4.8	2000	1	98.7			98.7		0	-	00.01
	χ. ΛΙ	76.8	1.87	•	81.9	83.2	83.2	300	87.1	1.18	87.1	87.7	21.18	89.0	916	67.3	6.76	8.46	22.0		98.7	7.86	186	1.86		10.0	00.01	00.00
	*	76.8	1801		81.9	2060	3	86.5		87.7	87.7	87.7		89.0	91.6	92.3	6.76	74.3	73.5	080	98.7	7.86	98.7		7.86	10 00	00.00	0.001
	% Al	76.8	1.87	•	81.0	83.2	3	0 00	87.1	87.7	87.1	87.7		89.0			92.3		000	0 80	98.7	7.86	1.86	1.86	186	100.00	100.001	100.001
ES)	- AI	76.1	-	•	81.9	2.	5	00 00 0.5 0.0 0.0 0.0	0	87.1	87.1	87.1		88.4	91.0	91.6	final .		•	0000	98.1	10.71	98.1	98.1	98.1	7.56	406	9.66 9.66
VISIBILITY (STATUTE MILES)	¥1 ¥1	76.1	4.17	**	81.3	82.6		85.2	86.5	87.1		87.1		88.4	91.0	91.6		2.46	4		98.1	98.1	98.1	98.1	98.1	40.66	4.66	5°66
SIBILITY (ST	V 1%	167.1	1	30	81.3	62.	20	20.00	00	00	87.1	87.1	87.1		91.		0	. 46		000	. 20		98.1		98.1	7.66	99.4	7.66
VIS	7	76.1		-	8 9 9	82	82.	20 00 20 00	86.			00	87.1	8	6	91.	91.	. 46	*	10	97.6	0	97.4	5	97.4	98.1	98.1	98.1
	2 2%	74.2	75.	13.	19.67	900	000	0 0	979	5	85.2	2	0	0		60	60	92.	72.0		95.5		95.5	3	95.5		96.1	96.1
	κ Al	73.6	14.	5	1 80	20	80.	83.0		84.5	20	84.5		85.8	38.	œ	68	0	0 0	0	94.2	0	94.2	94.2	94.2	6	94.5	94.2
	<b>A1</b>	71.6	72.	120	76.8	78.	_	80.0	00	81.9	81.5	81.9	61.0	83.2	•	86.3	86.3	68	60	01,0	91.6	-	91.6	91.6	911.6	9116	91.6	91.6
	۸۱	58.7	67.	_		.2.	72.		16.	-	-	-	-		1		1	1		- (	85.5	00		(3)		85.6		
	٨١	563.2	. 40		6.0	69	69	8 72.3	12	1	73	13	4 73.6	1 74.8	-	78	/ B	00	000	0 0	8	81	3	8 1	61	0	2	0 81.9
	71	29.	33.	23.	34.	35.	35.	36.	37.	37.	37.4	37.	37.	38.	39.	39.4	39.4	39.	39.	0 4	40.	40.	40.	40.0				40.0
CEILING	(FEET)	NO CEILING	18000		Y 14000		> 2000	8000	1	8 8	1	1 41		300	1	7000	1	1500	Y 1200	1	& & AI AI		1 1 1		141		700	80

-

1000

#### CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

73-77

(FROM HOURLY OBSERVATIONS)

YEARS PERCENTAGE FREQUENCY OF OCCURRENCE

HOURS (L S T DEC MONTH 13

٨١ 71.6 87.1 71.0 93.6 82.6 88.4 93.6 3.46 71.0 79.4 19.4 81.9 6118 72.9 76.1 78.1 34.5 2.46 90.3 96.1 71.0 95.6 88.4 4.61 4.61 93.6 71.0 71.0 71.6 72.9 77.4 81.9 81.9 93.6 94.2 83.9 87.1 8006 8 . 46 8 . 76 87.1 2006 76.1 78.1 1.96 76.1 80.7 4.64 82.6 88.4 0.17 78.1 87.1 9.1/ 72.9 76.1 81.9 618 87.1 90.3 93.6 93.6 2.46 8.46 96.1 ٨١ 77.4 93.6 0.08 81.3 87.7 6.26 6.26 93.6 11.0 81.9 95.5 81.3 70.3 72.3 78.7 86.5 89.7 34.2 70.3 75.5 2006 1.96 1096 96.1 78.7 83.2 75.5 77.4 81.9 65.6 93.6 7.56 81.3 86.5 93.6 70.3 72.3 11.0 8.91 81.3 83.2 86.5 87.7 78.7 80.0 65.6 78.7 89.7 89.7 89.7 Al 87.7 92.9 92.9 81.3 81.9 93.6 95.50 81.3 86,5 65.6 70.3 71.0 72.3 75.5 16.8 77.4 78.7 0.00 70.3 83.2 86.5 93.6 78.7 94.2 ۸۱ VISIBILITY (STATUTE MILES) 81.3 75.5 86.5 93.6 77.4 80.0 81.3 81.9 65.6 93.6 11.0 16.8 86.5 72.3 78.7 87.7 84.2 83.2 78.7 75.5 0.17 6.26 70.3 80.0 81.3 65.6 72.3 78.7 78.7 86.5 93.6 94.2 87.7 89.7 35.6 93.6 81.3 8.46 71.6 87.1 0.68 6.26 85.0 74.8 82.6 65.3 92.3 94.6 94.8 10.3 4.0 76.8 79.4 6.26 80.7 80.7 7.69 0.69 76.1 78.1 78.1 69.7 7 85.2 74.2 80.0 80.0 86.5 76.1 5.58 80.7 92.3 92.9 91.0 80.0 0.16 91.6 91.6 93.6 4.89 68.4 19.4 4.61 93.6 0.69 70.3 73.6 73.6 4.8 75.5 76.8 85.8 93.6 16.8 78.1 81.3 34.5 84.5 6.26 93.0 87.1 65.8 73.6 73.6 1001 86.5 86.5 89.0 67.1 0.17 72.3 76.8 81.3 83.2 87.1 76.1 87.7 1.18 78.1 80.7 80. 87.1 74. 68.4 4.11 83.2 61.3 62.6 0.69 70.3 72.9 83.2 84.5 65.6 63.9 70.3 61.9 65.8 67.1 12.9 77.4 78.1 83.2 61.9 11.6 73.0 14.8 80.0 80.0 83.9 AI 0.69 0.69 71.6 71.6 76.8 80.0 60.7 67.7 72.3 67.1 80.0 0000 70.3 73.6 16.1 60.7 60.7 60.7 76.1 78.7 0.08 22.6 22.6 22.6 21.9 22.6 22.0 22.6 22.6 22.6 6.12 51.9 22.0 22.6 21.3 21.3 55.6 22.0 20.7 21.3 21.3 20.7 20.7 20.7 20. 20. 2 NO CEILING (FEET) VI VI 00091 00091 1200 80 1200 VI VI 000 000 000 000 000 2000 2000 4500 3000 2500 1800 88 ≥ 20000 88 88 88 AI AI AI AI AI AI AI AI AIA AIA

155

TOTAL NUMBER OF OBSERVATIONS

#### 000

## CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

HIRAMAR, CALIFORNIA

93107

Q

0

G

Q

0

13

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DEC

22 HOURS (1 5 T )

CEILING (FEET)						,		- 1	ATUTE MILES)			,	, ,		1	,
	2	9 2	9	7 1	E AI	> 21/2	12.2	×1.7	71.4	71	% Al	* 1	K VI	≥ 5/16	7 AI	٨١
	-	09	63.	7.59	20	9 6	1.	-	•		•	10/0		67.1	1.19	0
> 20000		63.	65	67.7	1.	67.7	2 6 6 9	69.7	69.7	•	6	2 69	69.7	69.7	2009	20
		63.	65.		67.1	67.7	.6		6			1069				2
14000		63.	65.	67.7	-	67.7	.6	69.7	6	69.7	1.69	2009		69.7	69.7	2
		040	0/0	6	6		•		-		:	0.17	:	71.0	:	F
12000		65	67.	69.7	69.7	1.69	71.6			71.6	-	71.6	-	71.6	71.6	72
		.99	.60				5.				7					E
0006		66.5	69	71.0		71.0	72.9	72.9	2.	72.9	2.	12.9		72.9	72.9	73
1	1 -	67.	10.		2.		4				:			•	;	*
141	-		71.0	72.9	72.9	72.9					74.	14.8	74.8	74.8	74.8	73
1		69			3.		3				75.		5		3	9
2000	-			74.2	;	74.2		76.1			76.			•	76.1	20
	-	10.	12.	74.8			0				16.			16.8	76.8	1
1 41		71.	74.	76.1	0	76.1					78	78.1		•		18
	-	72.	14.	76.8	0						78.	78.7	0			2
3000		72.		76.8	70.8	76.8	78.7	78.7	78.7	78.7		78.7	78.7	78.7	78.7	79
1		13.	10.	78.1	8	18.1	0			0	80.	80.0	0		0	
7 2000		75.			80.7		2	85.6		2	82.	82.6	3	2.	82.6	83
		16.	18.			-		83.2				83.2	3.	3	3.	83
1500	-	79.		84.5	*		•	86.5		9	86.	86.5		86.5	86.5	
	-	80.	82.		85.8	5		87.7		-	87.	87.7	-	-	:	80
0001		80.	83	85.8	86.5	•				•	89.	89.0			89.0	
	-	90.	1	86.5	-	87.1				6	68	69.1			89.7	06
8		80.		87.7		88.4		-:		-	91.	91.0	-	91.0	016	6
		80.	1		0.68		0.16				91.	9116			91.6	92
8		80.		88.4	6	69.7	91.6	5.		2.	92.	92.3	2		65.3	92
		3)	84.	89.1	=		92.9	93.6			93.	93.6	-	-		76
141		81.		89.7	-	91.6	93.6	34.5		;		2.46		84.5		34
		81.	. 48	1.69	91.6	91.6	3.	34.5	•	94.2		34.5				34
1 200	3	81.			-	91.6	*	•	+	96.1		1 96		1096	;	96
8	53.9	3	34.5	89.7	910	91.0	2046	94.8	8.76	1.96	1.96	1.96	1.96		•	6
		010	_ 1	0.0	-	21.0		•	:	1006	•	1001	1006	100	30.0	001

TOTAL NUMBER OF OBSERVATIONS

155

-

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

0

0

0

0

ALL HOURS (187) DEC

> PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)								VISIBILITY (STATUTE MILES)	ATUTE MILE	(S)						
	VI 0	٨١	<b>5</b> 0 Al	<b>A</b> I	e VI	1 2%	N Al	V	¥1 ¥1		% Al	*	N Z	≥ 5/16	NI NI	٨١
NO CEILING	23.8	60.	61.9	2.49		0.99		0.19		67.1		9.10		67.6	67.7	61.9
> 20000	30.8	040		6	0	-	•			2.				2.		73.0
	31.1	64.		6	:		•			2.				3.	73.2	73.4
≥ 16000	31.1	04.		6	71.1	71.5	72.5		72.6	72.7			73.2		73.2	73.5
	31.2	63.			-	72.0	•								73.8	74.0
> 12000	31.5	99			2.		74.0								74.8	75.0
1	31.9	68				75.1										1.1
0006	31.9	58			74.8	75.1										77.1
	32.4	69				9										78.3
1 7 1000	32.4	69			76.3				77.7				78,3	78.3	78.4	78.6
1	32.5	70.														10.1
2006	32.5	70.														79.4
1	32.6	11.		9			0									80.0
1 41	32.7	71.					6									80.4
1	32.8	71.				8	6									80.9
3000	33.1	73.	75.4	77.9	19.6	0	81.0			81.1	81.5	81.5	81.6	81.6	81.7	81.9
1	33.6	74.		6			2									83.8
141	33.6	76				*		5							86.1	86.4
1	33.6	76.		20		*	15	2								86.7
1800	33.6	78.		84.0		.0	87.9					88.5	88.6			89.0
1	33.7	46		5	8						0	0		8006	30.4	40.1
1 1000	33.8	80.		87.1	89.8	0	-	:				2				92.7
	33.8	80.		87.3	0	0	=	-			2.	2			2	93.1
8	33.8	80.	84.4		91.0	91.5	1.26	93.1	93.1		63.6		0.46		1.46	4.46
	33.8	80.			-			3		93.8		*				
8	33.8	80.			-	2		;		4	2	2		95.2	95.3	95.6
	33.8	90		88.9	-	2	*		4.	-		45.7			62.6	1.96
141	33.6	81.		0	2	-		2	95.2	6666	90.96	•			6.96	97.1
	33.8	81.		40.68	2.	•	•		3	9		6.96			97.3	97.5
141	33.8	81		6	95.6	93.3	3	2	5	96.5	1.		1.	97.7	7.16	0.86
	33.8	81.	2.40	4.68	95.6	93.3	•	45.7	95.7		4.76	•	97.8	61.6	2.86	8.86
١٨١	33.8	61.	84.9	6	5.		0	95.7			-	-	-		*	0.00

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MIRAMAR, CALIFORNIA

93107

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (LST.) ALL

	-															
	2	۰ ۸۱	8	7	e vi	Y 2%	7 AI	4.1	VI	71	* 11	*	VI Z	≥ 5/16	N N	٨١
		46.9					3			3		55.2	35.	55.3		55
		49.5		3.	-		8					58.4	-	58.5	58.6	58.
		40.1		2			8			8		58.5	58.	58.6		58.
16000		1.64		58.6	-	-	83		58.3	8		58.5	58.	58.7		58.
		20.0				00	8			80		58.9	59.			59.
12000		50.7					6			0		59.8	58.			000
1		51.6			6	6	.0			0		8 .09	90			-
000		51.7				0	0			ò		6.09	61.			61.
1		52.4		0	0	0	1=			-		8.19	.19			-
141		52.6			0	-	:			-		62.0	62.			~
1		52.8			0	-	-			2.		2.20	.79			62.
2000		53.2			-	-	2			2.		65.6	62.			63.
1		53.6			-	2.	2.	1.		2		03.1	63.			63.
1 11		54.3			65.39	2				3		63.8			0.49	64.
1		55.3			3	4	3			*		64.9	65.			65.
3000		57.9				. 9	-					67.5	67.			67.
1		9.10			6	0	0			-		11.3	7:			71.6
7000		54.8			3	,	3			2		75.2	75.			75.
		65.5			*	5	3			9		76.2	76.			76.6
1 71		68.0				6	0			0		80.4	80.			80.
1		10.5			-	-	2.			2		85.8	82.			83.
8		72.9			5	5	•			. 9		87.0	87.			87.
		73.2			3	9	-			-		87.9	86.			88.
8 8		13.9		84.9	87.8	8	89.5		8.68	ċ		3005	90	90.3	4.06	90
		14.1			6	0	-			-		91.8	16			
88		74.4			0	-	2			2		93.1	93.			93.
		14.5			-	2	3			4		94.6	94.			
8		74.6				2	;			5		92.6	95.			
1		14.6			2.	3	*			9		96.3	96			96
1 A I	22.9	74.6	82.3			93.3	•	95.5	95.5	96.4	8.96	8.96	97.2	97.3	97.4	97.
		14.6		87.6	25.5		2			9		0.16	• 16	91.6	0.86	98.
0		74.6		2		3	3					97.0	97.	-	98.1	

TOTAL NUMBER OF OBSERVATIONS

0

73-77 MIRAMARA CALIFORNIA

93107 STATION

PERIOD

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	OBS.	155	155	155	155	155	155	159	153			1240
	_	-	-	-	-	1				-		
MEAN TENTHS OF	SKY COVER	3.7	3.7	4.7	4.5	5.1	5.0	3.9	3.6			4.3
	10	20,02	22.6	16.1	11.6	12,9	16.8	10.1	18.7			16.9
	٥	3.9	1.3	4.5	7.7	11.6	7.1	4.5	3.2			5,5
	00	5.8	2.0	12.9	1.6	12.9	11.0	7.1	5.2			8.4
CY COVER	7	2.6	5.2	7.7	10.3	0	6.5	2.6	5.5			5.8
OF TOTAL SI	9	1.9	3.2	4.5	4.5	4.0	5.5	1.9	2.6			0.4
OF TENTHS	5	1.3	1.3	4.5	4.5	3.2	5.6	3.2	1.9			20
FREQUENCY	•	1.9	3.9	3.9	3.9	4.5	6.5	6.5	3.9			4.4
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	8	7.7	5.00	0.6	8.0	7.1	*	7.6	4.5			7.7
	2	7.1	4	6.5	4.5	7.7	11.0	13.5	11.0			8.7
	-	5.6	5.2	0.6	9.0	4.5	4.5	4.0	6.5			0.5
		45.2	40.6	21.3	25.2	20.6	17.4	26.5	37.4			29.3
HOURS	(L.S.T.)	10	90	07	10	13	16	19	22			STA
	HINOW	JAN										TOTALS

0

0

0

0

0

0

0

#### SKY COVER

93107 MIRAMAR, CALIFORNIA

0

73-77

PERIOD

PEB

11110

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL		141	141	141	141	141	141	141	141		
MEAN	SKY COVER	4.5	4.3	5.3	5.0	5.0	5.1	4.4	4.0		
	01	27.7	26.2	24.1	21.3	21.3	17.7	15.6	26.5		
	٥	2.1	1.4	8.0	7,8	6.5	6.6	4,3	2.1		
		5.7	6.9	6.6	7.8	2.6	12.8	10.0	4.3		
KY COVER	,	5.0	7.1	5.0	5.0	5.7	4.9	6.4	5.0		
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	•	2.8	1.4	3.5	5.7	2.1	2.8	4.3	5.7		
OF TENTHS	5	2.1	2.8	3.5	5.0	3.5	5.0	4.3	2.8		
FREQUENCY	•	3.5	5.7	2.6	5.7	5.7	4.0	7.8	5.7		
PERCENTAGE	6	4.3	5.7	4.0	5.7	6.5	4.0	6.6	3.5		
	2	7.8	4.3	9.5	11.3	4.0	2.0	6.6	6.6		
	-	2.6	104	7.8	3.5	5.7	2.8	3.5	5.0		
	0	36.2	39.7	19,1	21.3	23.4	24.8	25.5	29.8		
HOURS	(L.S.T.)	10	60	07	10	13	16	61	22		31
TACA		00									TOTALS

SKY COVER

5704 SKY COVER JAN 68

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

73-77

MIRAMARA CALIFORNIA

93107 STATION

0

0

0

0

	HOURS				PERCENTAGE	E FREQUENC	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	S OF TOTAL	SKY COVER				MEAN	TOTAL
MONTH	(LS.T.)	0	-	2	6	1	2	9	7	80	6	0	SKY COVER	OBS.
MA	10	25.2	4.5	1.3	4.5	7.1	1.3	2.6	4.8	4	4.5	32.3	5.6	155
	90	29.7	3.5	5.5	6.5	9.	1.3	5.6	4.5	7.7	3.9	34.8	5.3	155
	07	22.6	4.5	4.5	3.2	3.5	3.9	1.9	9.7	11.6	7.7	27.1	5.7	155
	10	20.02	6.5	4.5	3.9	4.5	1.9	5.8	5.8	15.5	11,0	22.6	8.	155
	13	19.4	4.5	4.5	5.2	3.5	3.9	5.8	11.6	14.2	10.3	17.4	5.6	153
	16	18.7	7.1	3.9	4.6	3.9	4.5	2.6	11.6	12,3	10,3	16.8	5.3	155
	16	20.0	3.9	4.	7.1	6.4	4.5	2.6	14.2	7.7	11.0	11.0 11.0	6.4	155
	22	31.6	5.6	5.5	4.5	634	3.9	5.5	2.6	8.4	6.5	23.9	9.4	155
5	TOTALS	23.4	4.4	4.7	4.	8.4	3.2	3.6	9	10.7	2.5	23.2	5.4	1240

SKY COVER

A P R

E

73-77

MIRAMARA CALIFORNIA

93107 STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

A P R	HOURS				PERCENTAGE	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	OF TENTHS	OF TOTAL S	SKY COVER				MEAN	TOTAL
a d d	(LS.T.)	•	-	2	3	•	S	9	7	œ	6	10	SKY COVER	088.
	01	34.7	1.3	2.0	2.7	3.3	1.3	1.13	7.3	0.9	7.9	33.3	5,3	150
1	04	30.2	1.3	2.0	6.7	3.4		5.4	2.0	0.0	1.8	34.9	5.6	149
	07	18.7	5.3	3.3	4.0	3.3	2.0	2.0	0.8	10.7	0.0	34.7	6.2	150
	10	26.7	1.3	5.3	4.0	3.3	2.0	5.3	6.7	12,0	0.9	23,3	5.4	150
	13	28.0	0.9	7.3	1.0	4.0	1.0	4.7	0.9	6.6	6.7	12,7	4.4	150
	16	30.0	0.0	12.7	0.0	2.7	6.7	3.3	3.3	10.01	0.0	11.3	4.0	150
	19	27.3	10.0	4.7	11.3	3.3	1.3	1.3	0.0	10.7	4.7	19,3	4.4	150
	22	34.7	4.7	4.7	0.0	1.3	2.0	0.4	4.7	3.3	1.0	28.0	4.7	150
TOTALS	\$1	28.8	4.5	5.3	5.9	3.1	2.8	3.4	5.6	2.2	7.4	24.7	5.0	1199

E

38.11

SKY COVER

MIRAMARA CALIFORNIA 93107 STATION

0

0

0

0

0

0

73-77

PERIOD

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAG	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN	TOTAL
MONTH	(LS.T.)	0	-	7	6	-	S	•	1	80	6	02	SKY COVER	OBS.
MAY	01	12.9	9.	9.	3.2	1.9	1.9	1.9	3.2	3.6	4.5	66.5	7.9	155
	60	7.6	0.	1.3	1.3	1.9	3.6		2.6	6.5	2.0	71.0	8.3	155
	07	6.5	1.3	9.	2.6	3.2	1.3	1.3	5.5	9.	8.0	68.4	00	155
	10	21.3	3.2	5.2	3.9	6.5	3.9	4.5	7.7	5.5	7.6	29.0	5.7	155
	13	25.8	4.5	7.6	6.5	5.5	2.6	5.5	6.5	7.7	6.5	20,02	4.7	155
	16	29.0	6.5	4.8	6.5	3.2	2.6	1.9	5.8	4.8	7.1	20.6	4.0	155
	19	14.2	7.1	5.8	4.5	6.5	3.9	6.6	5.5	7.1	4.5	39.4	6.5	159
	22	13.5	2.6	2.6	3.2	2.6	2.6	2.0	3.6	5.5	4.5	86.8	7.3	155
TOT	TOTALS	16.6	3.3	4.3	0.4	3.0	2.7	2.7	5.0	5.4	1.9	46.5	9.0	1240

E

SKY COVER

MIRAMAR, CALIFORNIA 93107 STATION

0

0

4

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

_	HOURS				PERCENTAGE	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	OF TENTHS	OF TOTAL S	SKY COVER				MEAN	TOTAL
MONTH	(LS.T.)	0	-	2	6	,	2	9	1	80	٥	01	SKY COVER	OBS.
NOT	10	18.0	7.	2.7	1.3	2.7	7.	7.	2.0	2.7	2.7	0.99	7.5	150
	90	10.7	-7	2.0	7.	1.			1:3	5.3	6.3	75.3	4.8	150
	07	12.7		3.3	4.0	2.0	1.3	2.0	1.3	5.3	3.3	64.7	7.7	150
	10	34.0	1103	4.7	4.0	4.7	2.7	2.0	5.3	6.7	3.3	21.3	4.4	150
	13	1.94	6.7	0.9	8.0	2.9	2.7	2.0	4.7	4.7	3,3	6.7	2,8	150
	16	36.7	6.7	6.7	12.7	4.0	5.3	4.7	5.3	4.7	2.0	6.3	3.2	150
1	19	26.7	10.7	5.3	4.7	4.7	0.4	0.0	3.3	5.3	0.4	23.3	4.6	150
	22	26.0	2.7	5.3	3.3	2.7	2.0	4.0	2.7	1.	2.7	0.84	0.9	150
TOTALS	S	26.2	5.5	8.4	89	3.5	2.3	2.9	3.2	4.4	3.1	39.6	5.5	1200

0

0

0

Q

Q

E

5704 SKY COVER JAN 68

SKY COVER

MIRAMARA CALIFORNIA 93107 STATION

73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAG	E FREQUENC	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	OF TOTAL S	KY COVER				MEAN	TOTAL
MONIH	(L.S.T.)	0	-	2	6	4	3	0	7	∞ .	6	01	SKY COVER	OBS.
INF	10	14.8	1.3	2.0	9.	2.6	1.3	1.9	3.2	7.1	5.6	61.9	7,6	155
	40	6.5	1.3	9.6	1.9	1.3	1.3	1.3	1.9	1.9	4.5	74.2	50	155
	07	4.5	1.3	1.9	3.2	1.3	3.2	3.9	3.2	6.5	6.5	64.5	4.00	155
	10	27.7	7.7	6.3	7.6	7.1	3.2	4.5	5.8	7.1	4.5	12.9	3.9	155
	13	43.2	5.5	7.1	12.3	50	3.2	4.5	5.8	3.5	3.9	5.0	2.8	155
	16	36.1	7.7	11.6	5.6	0.6	4.5	3.5	6.5	7.1	2.6	5.	3.1	159
	19	22.6	7.7	11.0	12.3	7.6	1.9	3.5	3.9	5.5	5.5	17.4	4.2	159
	22	23.9	6.9	2.6	5.8	5.8	5.2	3.5	3.2	4.	3.9	31.6	4.	159
7	TOTALS	22.4	6.9	6.3	6.5	5.3	3.0	3.2	4.1	5.6	4.2	4.2 34.3	5.5	1240

0

0

0

-

SKY COVER

MIRAMARA CALIFORNIA 93107 STATION

AUG

HEAL

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOOKS				PERCENTAGE	FREQUENCY	OF TENTHS	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	SKY COVER				MEAN	TOTAL
-	0	-	2	8	4	3	9	_	80	6	01	SKY COVER	OBS.
	15.5	1.3	2.6	2.6	1.9		9.	1.9	9.0	3.2	61.3	7.5	155
	5.8	9.	9.	2.6	9.		9	2.6	1.3	6.5	78.7	8.9	155
	4.5	1.3	2.0	4.5		1.3	9.	1.3	5.5	11.6	67.1	8.6	155
	42.6	9.0	5.2	5 .8	6.7	3.0	2.6	2.6	5.8	3.2	6.4	3.0	155
	55.5	9.0	5.5	5.2	5.5	3.2	3.2	3.2	8	1.3	3.8	2.0	155
	49.7	9.4	11.0	6.5	5.5	4.5	2.6	2.6	3.0	1.9	3.9	2.1	155
	32,3	7.7	14.8	7.6	0.6	5.2	1.3	3.9	4.5	3.2	8.4	3,1	155
	27.1	2.6	4.8	7.7	3.9	2.6	3.9	5.6	3.9	3.9	33,5	5.1	155
	29.1	5.0	6.3	5.6	4.4	2.6	1.9	2.6	6.4	4.4	33.2	5.0	1240

OEO

AD-A063 830

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) MIRAMAR, =-ETC(U)

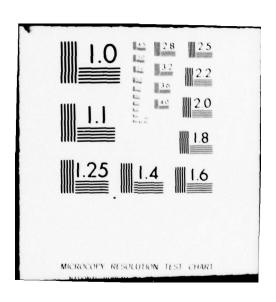
UNCLASSIFIED

A 0r4

AD053850

A

DDC



E

5704 SKY COVER JAN 68

SEP

SKY COVER

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

73-77

MIRAMAR, CALIFORNIA STATION MANE

93107 STATION

	HOURS				PERCENTAG	E FREQUENC	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	OF TOTAL S	KY COVER				MEAN	TOTAL
MONTH	(L.S.T.)	۰	-	2	6	-	8	•	7	8	6	10	SKY COVER	0.08 0.09
SEP	10	16.7	3.3	5.3	2.7	3.3		1.3	1.3	3,3	3,3	57.3	8.0	150
	90	12.0	2.0	3.3	.7	1.3	103	3.3	1.3	0.0	0.0	62,7	7.8	150
	07	16.0	1.	1.3	2.0	3.3	4.0		3.3	3.3	6.7	59.3	7.5	150
	10	31.3	10.0	4.7	8.0	1.3	3.3	2.0	2.7	5.3	4.0	27.3	4.5	150
	13	33,3	6.7	0.9	6.9	0.4	2.7	0.4	0.0	7.3	2,7	16.0	3.9	150
	16	32.7	1.0	6.7	10.7	3.3	5.3	2.7	3.3	7.3	5,3	16.0	4.0	150
	19	22.0	8.7	6.7	7.3	0.0	5.3	1.3	4.7	5.3	4.0	28.7	5.0	150
	22	22.7	1.3	2.7	4.7	2.0	1.3	2.7	2.7	4.7	0.4	51.3	9.9	150
101	TOTALS	23.6	5.5	4.6	5.7	3.1	2.9	2.2	3.5	5.3	4.5	39.8	5.8	1200

SKY COVER

MIRAMAR, CALIFORNIA 93107

73-77

001834

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0 1 2 3
28.4 1.9 1.9 3.2
27.1 103 109 5.2
21.9 3.9 4.5 2.6
32.3 7.7 10.3 3.9
43.9 5.2 4.5 3.2
36.1 9.0 7.7 5.2
34.2 4.5 7.1 7.7
31.0 3.9 5.2 5.8
31.9 4.7 5.4 4.6

VON WONTH

SKY COVER

MIRAMARA CALIFORNIA 93107 STATION

73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	PERCENTA
3	$\dashv$
5.3 3.3	
7.3 4.7	
7.3 6.7	_
8.0 3.3	
10.0 5.3	
10.7 7.3	
6.7 7.3	
4.0 6.7	
7.4 5.6	

E

0

0

SKY COVER

93107 MIRAMAR, CALIFORNIA

73-77

GOINT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	0.00	155	155	155	155	159	159	159	159	1240
MEAN	SKY COVER	3.6	3.6	4.5	4.9	4.4	9.4	3.9	3.6	4.2
	0	25.2	24.5	23.9	19.4	15.5	20.02	16.2	21.3	20.5
	٥		0.	1.3	7.7	5.8	7.1	4.5	3.9	3,9 20,3
		4.5	5.8	4.5	10.3	8.8	7.1	7.7	4:5	6.3
KY COVER	,	3.9	2.6	5.8	7.1	11.0	5.8	5.8	3.2	5.7
OF TOTAL S	•	1.9	1.3	1.3	3.9	2.6	1.3	4.5	1.3	2.3
OF TENTHS	•	1.3		6.5	5.5	3.2	3.2	9	109	2.7
FREQUENCY	-	3.2	2.6	7.7	3.2	4.8	5.5	3.9	3.9	20
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	6	3.9	6.5	9.0	3.9	6.5	9.0	11.0	5.8	7.0
	2	11.0	3.2	0.6	7.1	11.0	10.3	11.6 11.0	7.6	9.1
	-	3.9	3.2	1.1	4.5	4.5	7.1	4.5	6.5	5.5
	•	611.3	49.7	23.9	27.7	25.8	23.9	31.6	38.1	32.8
HOURS	(LS.T.)	10	90	07	10	13	16	19	22	SI
	MONTH	DEC								TOTALS

OFO

20 5704 SKY COVER JAN 68

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MIRAMARA CALIFORNIA

	HOURS				PERCENTAG	E FREQUENC	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	OF TOTAL	SKY COVER				MEAN	TOTAL
HINOW	(4.5.7.)	•	-	2	6	-	8	•	-		6	9	SKY COVER	0.04
IAN	ALL	29.3	6.2	6.7	7.7	4.4	3.2	0.4	5.8	7	5.5	16.9	4.3	154
F 63		27.5	4.1	0	6.9	204	3.6	3.5	5.4	1.8	9.6	22.5	8.4	112
MAR		23.4	4.4	4.7	5.4	9.4	3.2	3.6	9.6	10.7	2.0	23.2	5.4	1240
APR		28.8	4.5	5.3	5.9	3.1	2.8	3.4	30	8.5	7.4	24.7	5.0	1196
MAY		16.6	3.3	4.3	4.0	3.6	2.7	2.7	5.0	5.4	6.1	46.5	9.9	1240
NOT		26.2	5.5	8.4	20.4	3.5	2.3	5.9	3.2	4.4	3.1	39.6	5.5	1200
101		22,4	8.4	6.9	6.5	5.3	3.0	3.2	4.1	2.0	4.2	34.3	5.5	124
AUG		29.1	5.0	6.9	5.6	4.4	2.6	1.9	2.6	6.9	4.4	33,2	5.0	1240
SEP		23.6	5.5	4.6	5.7	3.1	5.9	202	3.2	5.3	4.5	39.8	5.8	1500
130		31.9	4.7	504	4.6	3.6	3.2	3.1	3.6	0.6	4.4	26.6	8.4	154
VON		36.7	5.5	7.4	5.6	6.6	3.9	3.2	4.7	6.5	5.1	16.8	3.9	1500
DEC		32.8	5.6	9.1	7.0	9.4	2.7	2.3	5.7	6.3	3.9	20,5	4.2	124(
101	TOTALS	27.4	4.8	6.2	5.8	4.2	3.0	3.0	4.8	7.0	5.2	28.7	5.1	1460

### PART E

## PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

- Cumilative percentage frequency of occurrence derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
- a. Daily maximum temperature
- . Daily minimum temperature
  - c. Daily mean temperature
- Extreme values derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. of daily extreme temperatures are prepared: ä
- a. Extreme maximum temperature b. Extreme minimum temperature
- NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
- Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided: ë.
- Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each takulation table, The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb which may require two pages in some cases.

A percentage frequency in this table of ".O" represents one or more occurrences amounting to less

Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares  $(\sum X^2)$ , sums of values  $(\sum X)$ , means  $(\sum X)$ , and standard deviations  $(\sigma X)$ . The number of observations used in the computations for each element is also shown. ڼ

- represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period the annual summary, or mean number of hours per month in the tabulations by month. :
- Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not observations recorded during these periods. All values of dew-point temperature and relative reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for numidity are with respect to water, unless otherwise indicated. NOTE:
- Means and standard deviations These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following: 4
- a. Dry-bulb temperature
- o. Wet-bulb temperature
- c. Dew-point temperature
- Cumulative percentage frequency of occurrence of relative humidity This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables. 3
- Table 1 is prepared by month and annual, all years combined, with month being the vertical argument. 8
- Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary. è
- The main body of the summary consists of dry bulb temperatures spread vertically in four degree incre-Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. ments and horizontally by eight wind directions (plus calm). 9

## DAILY TEMPERATURES

O

MAXIMUM

NOV OCT. SEP PERCENTAGE FREQUENCY OF OCCURRENCE AUG. (FROM DAILY OBSERVATIONS) JUL N MAY CUMULATIVE APR MIRAMAR. CALIFORNIA MAR. FEB Ž TEMP (PF) AI AI

100.0 71.1 18.1 55.7 74.6 90.6 98.4 ANNUAL 8.220 7.656 929 960 16.0 100.0 91.1 54.3 DEC. -00-00-00 8.348 444444 ----7.166 6.033 6.279 5.210 5.273 7.291 870 899 870 954 953 924 10.00 83.00 7.00 7.00 100.0 100.0 40.5 81.5 97.6 100.0 4444 7.514 6.636 420. 100.0 930 4.49 36252525252 3232 TOTAL OBS. MEAN S. D. N M Al N A1 Al A Al AI N A AI

13

NAVWEASERVCOM

0

0

N

105701

0

0

0

0

0

## DAILY TEMPERATURES

10													
0	2	568	MAN	944	WAY	CONTRACTOR OF THE NAME OF THE		AUG	95	150	NO.	060	ANNUA
9													
		+						1					-
1		-	-			•	4			7		-	
1					-	*		200			4		•
3	•	+		•	2.2	36.6	73.2	36	7.4	26.8	3.0	9.	24
					7.67	200		80	0 4.0	15	1	5.8	4.5
:	30.		3000	0		2 2		000	200	92.8	.0	28.8	67.0
:	0	1	78 4	0	90	000		2000	0	00	1	63.3	8
	2006	0000				2000	1		****	00		4.00	6
9:	200	-	3	2	7000	-			•	0.00	1		
33	97.02	9912	6.6	1000	-	1	-	-		2022	20001	0000	
30	6366	100.0	100.0						-	10000		10000	100
29	100.0												100.0
			-										
-													
1							-	-	-	-			
		1	1			1					-	-	
		1	-	-	-			1					-
-													
-	-					1				-			
-		-	-	-	-								
-	-		-	-					-	-			-
				-								1	
1													
					1 11						-		-
	44.7	46.0		50.3		57.3	6119	62.7	6000	2005	20.	700	53.1
	5.260	4.929		4.150	3.270			3.294		0	20102	2.145	•
TOTAL OBS.	020	279	١.										

G

## DAILY TEMPERATURES

3

MIRAMAR. CALIFORNIA

MEAN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM DAILY OBSERVATIONS)

S	TEMP (PF)	JAN.	FEB.	MAR.	APR.	MAY	, NOT	JUL	AUG.	SEP.	OCT.	NON	DEC.	ANNUAL
## ## ## ## ## ## ## ## ## ## ## ## ##										-				0.
### ### ### ### ### ### ### #### ######														
### 1.0									-	0	5			-
12								1.0	2.6	4.3	2.0			1.0
10					9.	9	2.5	11.8	20.8	16.0	7.9	2.2		5.4
65 6.7 6.7 6.9 11.6 20.6 54.1 97.0 99.0 91.5 28.7 28.0 7.8 25.0 10.0 19.0 91.5 28.7 28.0 7.8 25.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2		•	-	5	2.9	3.6	13.3	53.2	67.2	80.8	20.8	8.3	8	19.1
\$5 19.5 17.6 20.4 42.9 73.5 94.7 100.0 100.0 99.9 93.1 59.8 27.3 35.8 10.2 17.6 20.4 42.9 73.5 94.7 100.0 100.0 100.0 99.8 99.8 100.0 99.8 100.0		9		6.4	9.11	20.6	56.1		99.0	91.5	58.7	25.0	7.8	40.8
95 69.9 57.2 63.2 52.5 99.3 100.0 100.0 99.7 89.0 62.0 50.8 50.8 50.8 50.8 50.8 50.8 50.8 50			17.6	20.4	42.9	73.5	04.7	100.0	100.0	6.60	93.1	56.8	27.3	62.5
# # # # # # # # # # # # # # # # # # #			57.2	63.7	82.5	98.3				100.0	98.7			83.5
45 98.4 99.8 100.0			91.8	96.2	1.66	100.0	100.0				99.8		8006	96.5
## 10040 100		-	90.8	100.0	100.0						100.0	100.0	1.66	99.8
35 100.0  WEAN 56.8 55.8 56.2 59.0 61.8 65.2 70.2 71.5 70.2 66.1 61.0 56.4  SOM 56.8 55.8 56.4 85.8 4.02.8 3.60.1 81.9 56.4  SOM 56.8 85.8 85.8 870 85.8 4.02.8 85.8 95.8 95.8 95.8 95.8 95.8 95.8 95		2000											100.0	100.0
MEAN 24.8 55.8 56.2 59.0 61.8 65.2 70.2 71.5 70.2 66.1 61.0 56.4 5.01.0 56.4 3.601.0 56.4 3.601.0 56.4 956 9.56 9.50 8.79 3.45.70 3.69 8.51 9.50 8.79 3.45.70 9.50 8.579 3.45.70 9.58 9.50 8.579 9.56 9.50 8.79 8.70 8.99 8.510 8.99 8.510 8.95 9.54 9.55 9.55 9.56 8.50 8.79 8.70 8.95 9.54 9.55 9.55 9.55 9.50 8.79 9.55 9.55 9.55 9.55 9.55 9.55 9.55 9														100.0
MEAN 54.8 55.8 56.2 59.0 61.8 65.2 70.2 71.5 70.2 66.  S.D. 5.68 5.007 4.425 4.778 3.834 4.024 3.601 3.757 4.790 5.5														
MEAN 54.8 55.8 56.2 59.0 61.8 65.2 70.2 71.5 70.2 66.													Diam'r.	
MEAN 54.8 55.8 56.2 59.0 61.8 65.2 70.2 71.5 70.2 66.  S.D. 5.686 5.007 4.425 4.778 3.834 4.024 3.601 3.757 4.796 5.5														
MEAN 54.6 55.8 56.2 59.0 61.6 65.2 70.2 71.5 70.2 66.  S.D. 5.688 5.007 4.429 4.778 3.834 4.024 3.601 3.757 4.796 5.5		- tore												
54.8     55.8     56.2     59.0     61.8     65.2     70.2     71.5     70.2     66.2       5.688     5.007     4.429     4.778     3.834     4.024     3.601     3.757     4.796     5.5       930     845     940     870     899     870     954     954     954														
54.8 55.8 56.2 59.0 61.8 65.2 70.2 71.5 70.2 66. 5.686 5.007 4.425 4.778 3.834 4.024 3.601 3.757 4.796 5.5													1000	
MEAN 54.8 55.8 56.2 59.0 61.8 65.2 70.2 71.5 70.2 66.														
MEAN 34.8 55.8 56.2 59.0 61.8 65.2 70.2 71.5 70.2 66.														
54.8 55.8 56.2 59.0 61.8 65.2 70.2 71.5 70.2 66. 5.688 5.007 4.425 4.778 3.834 4.024 3.601 3.757 4.790 5.5														
54.8 55.8 56.2 59.0 61.8 65.2 70.2 71.5 70.2 66. 5.688 5.007 4.425 4.778 3.834 4.024 3.601 3.757 4.799 5.5														
54.8 55.8 56.2 59.0 61.8 65.2 70.2 71.5 70.2 66. 5.688 5.007 4.425 4.778 3.834 4.024 3.601 3.757 4.796 5.5														
54.8 55.8 56.2 59.0 61.8 65.2 70.2 71.5 70.2 66. 5.688 5.007 4.425 4.778 3.834 4.024 3.601 3.757 4.796 5.5													- Colonia	
54.8 55.8 56.2 59.0 61.8 65.2 70.2 71.5 70.2 66. 5.688 5.007 4.425 4.778 3.834 4.024 3.601 3.757 4.796 5.5														
54.8 55.8 56.2 59.0 61.8 65.2 70.2 71.5 70.2 66. 5.688 5.007 4.425 4.778 3.834 4.024 3.601 3.757 4.796 5.5														
54.8 55.8 56.2 59.0 61.8 65.2 70.2 71.5 70.2 66. 5.688 5.007 4.425 4.778 3.834 4.024 3.601 3.757 4.796 5.5														
54.8 55.8 56.2 59.0 61.8 65.2 70.2 71.5 70.2 66. 5.688 5.007 4.425 4.778 3.834 4.024 3.601 3.757 4.796 5.5														
54.8 55.8 56.2 59.0 61.8 65.2 70.2 71.5 70.2 66. 5.688 5.007 4.425 4.778 3.834 4.024 3.601 3.757 4.796 5.5													CTEST	
54.8 55.8 56.2 59.0 61.8 65.2 70.2 71.5 70.2 66. 5.688 5.007 4.425 4.778 3.834 4.024 3.601 3.757 4.796 5.5														
54.8 55.8 56.2 59.0 61.8 65.2 70.2 71.5 70.2 66. 5.688 5.007 4.425 4.778 3.834 4.024 3.601 3.757 4.796 5.5														
54.8 55.8 56.2 59.0 61.8 65.2 70.2 71.5 70.2 66. 5.688 5.007 4.425 4.778 3.834 4.024 3.601 3.757 4.798 5.5														
54.8 55.8 56.2 59.0 61.8 65.2 70.2 71.5 70.2 66. 5.688 5.007 4.425 4.778 3.834 4.024 3.601 3.757 4.798 5.5														
54.8 55.8 56.2 59.0 61.8 65.2 70.2 71.5 70.2 66. 5.688 5.007 4.425 4.778 3.834 4.024 3.601 3.757 4.798 5.9														
5.688 5.007 4.425 4.778 3.884 4.024 3.601 3.757 4.796 5.5	MEAN	54.8	95.8		99.0	61.8	65,2	70.2	71.5	70.2	66.1	61.0	90.4	62.4
930 845 930 870 899 870 954 953 924 9	S.D.	5.688	5.007	4.425	4.778	3.834	4.024	3.601	3.757	4.796	5.520	3.793	5.427	7.606
	TOTAL OBS.	930			870	899	870	486	953	924	956	928	960	11019

NAVWEASERVCOM

୍ **ଆ** 

TUSLUT

0

# NAVAL WEATHER SERVICE DETACHMENT

DAILY AVERAGE/EXTREME TEMPERATURES

MIRAMAR, CALIFURNIA

STATION 93107

ASHEVILLE, NORTH CAROLINA

STATION NAME

1948-1977

YEARS

AVERAGE

EXTREME MAXIMUM TEMP

AVERAGE

MEAN TEMP AVERAGE

MONTH JANUARY

973 952 1971 1952 -0.6 1.1 1:1 1.1 EXTREME MINIMUM TEMP 0. 6,2 9 9 0.1

40	43.0	42.5	45.4	41.7	41.9	43.1	0.44	9.44	44.3	**	44.1	***	44.0	6.44	44.9
DATE	1964	1969	1953	1969	1969	1962	1963*	1948	1961	1953	1961	1961	1946	1961	1967*
00	29.4	24.4	29.4	1 -	28.9	25.6	29.4	26.1	25.6	27.8	27.2	25.6	1 -	29.4	27.8

8.6

63.4

19.1

9.40

11.8

52.6

S 9

12.4

54.3

12.6

9.69

11.4

17.4

61.5

52.0

DAY

52.9

3

7

63.4

9.11

17.8

0.49

12.4

12.3

54.3

63.3

17.8

64.0

12.4

10

σ

11

12.4 12.3 12.4 12.8

54.3

12 13 14 15

64.8 63.9 64.2

18.1

3	44.3	44.0	44.1	***	44.0	44.9	44.9	45.0	7.94	46.5	45.9	46.2	46.1	45.2	45.2	1004	45.6	44.9	45.4	44.8	0.94	-
2001	1961	1953	1961	1961	1946	1961	1967*	1976	1965	161	19714	1976	1976	1968	1968	1991	1951	1976	1976#	1971*	1962	The real Property lies and the least lies and the lies and the least lies and the least lies and the least lies and the least lies and the lies and the least lies and the least lies and the least lies and the lies and the lies and the lies a
1000	25.6	27.8	27.2	25.6	26.1	29.4	27.8	31.1	30.6	29.4	28.3	27.8	26.1	23.9	27.8	28.9	27.8	23.9	27.2	27.8	28.9	The second name of the local division in the last name of
																1			1			-

=

1948

3,3

1973 1966

2.8

1949

6

6.

19.3

66.7

13.6

13.2

55.8 55.8

16 11 19.2

66.5

7.3

63.2 62.0 63.8

12.6 12.4

E

18.1

64.5

13.6

56.5

19

20

21

18

19.3 18.9

66.8 66.1

13.2

55.1

18.5

65.3

8.1

1962

300

1976

34 33 33 33

100 7.

5

2.2

676 676 296

2.2

1:0

6.9

974#

2.8

17.5 18.4

1.5

63.9

12.8 12.3 11.9 13.0

55.0

55.2

54.1

54.8

27 28 8

36

69.1

12.9

54.3

22 23 24 25

24.4

62.7

16.

1974

676 056

9.

2.

1973

3.9

1	1	1	1	1	1	1	1	1
 1661	1951	1976	1976#	1971*	1962	1971	1976	1976
 28.9	27.8	23.9	27.2	27.8	28.9	28.9	28.3	31.1
98	82	75	81	25	8	**	63	88
			1					

0.99 62.1

2.99

64.8

12.6

54.6

30

Monthly

31

56.1

BREE

996

2.2

972 1972

33

44.5 45.0

44.7

18.0

4.49

18.6

1950

0.0

33

· ALSO ON EARLIER YEARS

# DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

MIRAMAR, CALIFURNIA

STATION NAME

1948-1977

YEARS

MONTH FEBRUARY

AVERAGE	GE	AVERAGE		EXTREME	ME	1	AVERAGE		EXTREME	ME	
	0,	٦,	0	, F	o °	DATE	, F	o o	9°F	0	DATE
6	12.7		17.8	90	26.7	1958	45.7	1.6	38	3.3	1975
55.3	12.9			82	27.8	1963*	45.5	7.5	38	3,3	1975
	13.2	9.99	19.3	16	32.8	1963	44.7	1,1	35	1.1	15.72
4.	13.6			06	32.2	1963	46.2	601	36	2.2	1955
9.0	13.1	65.1	18.4	40	28.9	1963	46.1	801	37	2.8	1955
6.3	13.5	65.8	18.8	98	28.9	1963	6.94	8,3	38	3.3	1955
100	13.4		18.7	98	28.9	19704	40.1	8,2	39	3.9	1974
9.6	13.1	64.5	18.1	200	29.4	1970	46.7	8,2	37	8.5	1948
5.5	13.1	9.49		78	25.6	1967	46.5	8,1	38	3,3	1965
2.9	13.4	65.8	18.8	82	27.8	1971	46.0	1 .8	33	1:1	1965
8.9	13.8	9.99	19.2	6	33.9	1962	47.2	8.4	39	3.9	1948
56.0			18.7	88	31.1	1977	46.3	6.1	36	1:1	1965
8.6		0.50		82	29.4	1971	46.5	1 6	34	=	1948
6.4	12.7	64.2	17.9	4	26.1	1977	45.6	1,0	38	3.3	1974
2.1	12.8	04.1	18.2	98	30.0	1977	45.6	9.1	37	2.8	1975
3.4		65.3		00	30.6	1977	45.4	100	36	3.9	1975
8.6	13.2	05.1	18.4	78	55.6	1953	40.4	8.0	36	1:1	1975
8.8	12.7	9969	17.6	80	26.7	1965	45.9	1.57	36	202	1975
0	12.2	62.3	16.8	S	29.4	1965	45.8	1.01	37	2.8	1955
4.7	12.6	0.49	17.8	4	26.1	1961	45.4	**	38	5.3	1955
0.0		65.1	18.4	80	26.7	1961	45.0	201	38	3,3	1
5.3	12.9	65.1	18.4	80	27.2	1954	42.4	404	36	2.2	1953
0.9	13.3	66.1	18.9	100	29.4	1954	45.9	1.01	38	3.3	1975
90.95	13.7	9.99	19.2	63	59.4	1963*	46.7	2 . 8	38	3.3	1953
1.9	13,4		19.1	98	28.9	1963	45.9	101	36	2.2	1948
6.4	12.7	63.8	17.7	82	27.8	1963	46.1	7 9 8	16	2.0	1977
5.1	12.8	4.40	18.0	18	55.6	1961	45.8	1.61	35	1:1	1971
55.2	12.9	64.5	18.1	200	28.3	1963	45.9	1.61	56	3.9	1962
9.6	12.2	0100	16.1	10	21.1	1568	46.7	8,2	63	6.1	1956
5.5	13.1	6.6.1	18.4	63	33.0	1962	0.94	8.	36	-	1975

\*ALSO ON EARLIER YEARS

STATION 93107

0

# DAILY AVERAGE/EXTREME TEMPERATURES

MIRAMAR, CALIFURNIA STATION NAME 93107 STATION

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

1948-1977

YEARS

MARCH

MONTH

		DATE	3	7	_	_		_		_	_	_	.4 1975		100 1954	.9 1973	.3 1975	00 1948	_	_		-		-		_	_	-	00 1975	-	.0 1973	1961 6	4 1977	
TEMP	EXTREME	ွပ	3.	3,3	0.0	2.	2.2	3	3.9	2.	3.9	•	•	•	5.	3.	3.	3.	•	5.	•	3.	•	5.	3.	3.	2.	3.	5.	3.	3.	3.	•	
MINIMUM TEMP	EX	<b>L</b> 0			33	37	36																		39								0+	
	AGE	o°	8.1		0.7	-	8	8										80	8,6	8,6	80		8.8	9.1	9.1	20	8	6					9.6	
	AVERAGE	<b>L</b> 0	46.5	45.8	44.6	44.7	46,5	46.3	6.95	46.2	47.4	46.9	46.6	46.5	47.3	46.3	46.5	47.6	47.4	47.5	48.0	48.4	47.9	48.4	48.3	48.1	0.84	48.5	49.2	49.6	48.4	9.84	49.2	
		DATE	1961	1972	1968	1968	1960*	1966	1977	1961	1961	1959	1959	1959	1970*	1661	1661	1959	1964	1966*	1960	1960	1959	1976*	1953	1969	1969	1955	1963*	1956	1964*	1950	1966	1
MP	ME	ွ	28.3	2500	25.6	0	25.6	25.6	25.6	26.1	22.2	24.4	29.4	27.8	26.7	28.9	27.8	28.3	30.0	25.0	28.9	26.7	27.2	25.6	28.3	25.6	26.1		28.3	26.1	29.4	25.0	30.0	ı
MAXIMUM TEMP	EXTREME	LL o	83	17	78	96	78	18	78	4	72	16	85	82	80	*8	28	83	20	4.	84	000	80	78	83	78	46	20	63	19	85	11	98	1
W	GE	o°.	17.4	16.8		18.0	18.4	17.8	18.2	17.6	16.7	16.6	17.2	17.8	17.6	18.2	18.7	18.8	18.2	17.9	18.9	19.2	19.2	18.6	18.3	18.3	18.1	18.6	19,3	18.7	19.1	18.5	18.9	-
	AVERAGE	٠ •	63.3	62.3		4.40	65.2		8.49	63.6	62.0	-	63.0	1.40	9.69	64.8	65.7	3.		64.3	0.99	6099	9.99		6.49	0.50		9.50	8.99	9969		65.3	1099	
IP.		<b>o</b> °	12.7	12.3	11.9	12.6	13.2	12.9	1301	12.7	12.6	12.4	12.7	12.9	13.0	13.1	13.4	13.8	13.4	13.3	13.9	14.2	14.0	13.8	13.7	13.7	13.4	13.8	14.4	14.2	14.1	13.8	14.3	-
MEAN TEMP	AVERAGE	<b>L</b> 0	54.9	54.1	53,5	24.6	55.8	55,3	55.5	54.9	54.7	54.4	54.8	55,3	\$5.4	55.6	56.1	86.8	1.95	55.9	57.0	57.5		6.95	96,6	90,95	26.2	6.95	58.0	57.6		6.95	57.7	
	L	DAY	-	2	3	4	2	9	7	80	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

## NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

MONTH

YEARS

1948-1977

STATION NAME

MIRAMAR,

93107 STATION

0

APRIL

		DATE	19764	19764	1975	1975	1948	1975	1975	1961	1953	1953	1974	19534	1948	1972	1976	1961	1976	1976
•	E	၁့	1.0	5.0	*:*	1.0	2.0	5.0	*:+	9.6	5.0	2.0	9.0	3.9	1.9	0.1	2.6	2.0	2.0	0.5
MINIMUM TEMP	EXTREME	40	43	41	04	4.3	15	10	04	24	14	10	1.5	36	63	**	24	1.0	10	1.0
M		٥,	616	9.6	1.6	4.6	10.0	8.6	9.6	4.6	4.6	6.6	9.6	6.6	10.3	10.2	10.3	10.8	10.7	10.4
	AVERAGE	u. 0	48.8	48.9	48.3	49.5	50.0	9.64	49.2	40.4	40.4	6.64	49.3	49.6	20.0	50.3	50.5	51.5	51.3	80.8
		DATE	1959	1961	1961	1971	1960	1962	1962	1964	1968	1968	1958	1962	1961	1964	19961	1948	1950	JOKA
16	ME	00	32.2	30.0	31.7	32.2	30.6	3101	31.1	27.2	30.6	30.0	26.7	28.3	30.0	35.0	35.0	31.7	27.2	37.3
MAXIMUM TEMP	EXTREME	u.	90	98	68	06	23	88	88	81	87	98	80	83	98	56	66	68	10	-
MA	36	00	18.9	19.1	19.4	20.4	20.6	19.2		19.8	19.5	19.2	18.9	20.0	20.2	20.4	21.6	20.1	19.6	10.9
	AVERAGE	u.	0.99	4.99	6.99	68.8	0.69	69.9	0.99	67.7	67.1	9.99	1000	0.80	68.4	68.8	10.9	08.1	67.2	4.84
NP AN	3	00	14.1	14.3	14.2	15.1	15.3	14.5	14.2	14.8	14.6	14.6	14.3	14.9	15.3	15.3	15.9	15.4	15.2	14.4
MEAN TEMP	AVERAGE	u.	57.4	57.7	57.6	59.2	59.5	58.1	57.6	58.6	58.3	58.2	57.7	58.9	59.5	59.5	60.7	59.8	59.3	68.7
	L	AY	-	2	67	4	20	9	1	80	6	10	11	12	13	14	15	16	17	0,

ALSO ON EARLIER YEARS

19538

10.2

50.3

\*9961

35.0

19.6

67.2

14.8

58 . 7

Monthly

31

1974#

1965

27.8

1969

27.2

19.4

67.0

6.99

15.2

15.1

58.6

3 8 8 23

26

67.3

59.0

19.3

14.8

1959

1971\*

1970

6.1

2 6 6

51.1

1962

27.8

00 00 00 00

19.4

699

14.8

24

23

25

6.40

15.0

59.0

22

2 2

0

0

0

14.8

50.3

1956

1974\*

3.0

.

1000

50.4 50.6 51.8

50.7

1965

27.2

1441

1970

1967

1972\*

9.6

# DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

CALIFORNIA	STATION NAME
MIRAMAR	

1948-1977

YEARS

MAY

HTNOW

INCM

		DATE	1961	1961	1955	1951	1950	1975*	1975	1950	1952	1975	1967*	1967	1961	1968*	1968	1962*	1962	1977#	1974	1974	1948	1975	1975	19754	1965	1953	1953	1971	1971	1976#	1961	1967
	E	၁ွ	9.6	6.7	7.8	7,2	6.1	6.1	6.7	7.2	8.0	8.3	4.6	7.2	8.1	4.6	8.3	9.6	7.8	4.6	7.8	6.1	6.3	8.3	8.3	10.6	4.6	8.9	8.9	10.0	8.0	8.9	4.6	3.6
MINIMUM TEMP	EXTREME	°F.	26	**	95	60	643	63	**	6.5	84	44	64	4.5	40	64	44	64	94	65	949	6.3	4.4	47	44	15	64	8	84	00	84	6.8	54	25
		၁့	1163	1101	11,6	11,3	11,3	11.2	11,3	11.7	12,0	11.9	11,9	11,9	11.7	12,2	12,3	1204	12,3	1204	12.6	12,2	12,3	12,3	12,6	12,5	12,6	12,8	12,9	1392	1302	1363	1300	12.2
	AVERAGE	<b>پ</b>	52.3	52.0	52.9	52.3	52.4	52.2	52.3	53.0	53.6	53,5	53.4	53.4	53.0	54.0	54.2	54.3	54.2	54.3	54.7	94.0	54.2	54.2	94.6	54.5	54.7	55.0	55.3	55.7	55.8	55.9	56.4	53.9
		DATE	1970*	1970	1970	1953	1953	1953	1960	1960	1961	1960	1960	1976*	1976	1961	1970	1956	1956	1971	1955	1960	1964	1958	1961	1964	1961	1974#	1972*	1973	1972	1972	1972	956
	1E	၁့	27.2	31.7	31.1	31.1	31.7	28.9	29.4	27.8	26.3	28.3	30.0	26.1	27.8	30.6	33.9	35.6	33.9	28.9	27.2	28.9	26.7	31.1	26.1	26.1	27.8	29.4	28.3	33.9	27.8	25.6	27.8	35.6
MAXIMUMIEME	EXTREME	<b>پ</b>	18	68	88	88	68	84	85	82	83	83	98	4	82	63	63	96	66	84	83	84	80	88	10	46	82	82	83	63	82	78	82	96
	E	ပ	20.3	20.4	20.9	20.0	19.5	20.1	20.2	20.4	20.3	20.7	20.9	20.5	20.7	20.5	21.2	21.3	21.7	21.6	21.3	20.9	20.3	20.6	20.1	20.0	20.6	21.2	20.9	21.3		20.5	20.3	20.7
	AVERAGE	<b>پ</b>	-	68.7	9.69	0.89	67.1	68.1	4.80	68.7		69.2		689	69.3	1		70.3		70.8	70.3	7.0	68.5	69.1	68.1	0.80	0.69	70.2	69.7	70.3	69.66	68.9		69.2
		၁့	15.8	15.8	16.2	15.6	1504	15.6	15.8	16.0	16.2	16.3	16.4	16.2	16.2	16.3	16.8	16.8	17.1	17.0	16.9	16.6	16.3	16.4	16.3	16.3	16.6	17.0	16.9	17.2	17.1	16.9	16.9	14.4
MEAN LEMP	AVERAGE	ı.	4.09	4.09	61,2	1009	59.8	60.1	4.09	60.8	61.1	61.4	61.6	61.2	61.2	61.4	62.2	62.3	62.7	62.6	62.5	61.8	61.3	61.6	6:03	61.3	61.8	62.6	62.5	63.0	62.7	52.4	62.4	9.19
		DAY	-	2	8	4	2	9	7	00	6	10	11	12	13	14	15	16	17	18	19	80	21	22	23	24	25	56	27	28	29	30	31	Monthly

0

\*ALSO ON EARLIER YEARS

1111

93107 STATION

0

0

0

0

DAILY AVERAGE/EXTREME TEMPERATURES

MIRAMAR, CALIFURNIA

STATION 93107

NAVAL WEATHER SERVICE DETACHMENT

ASHEVILLE, NORTH CAROLINA

NO

STATION NAME

1948-1977

YEARS

MONTH

JUNE

1953 +256 1976 1950 952 1952 952 952 1975 1965 1975 1975 975 1963 1962 1963 967 116 1961 1967 10.0 10.0 9.01 10.0 10.6 4.6 4.6 8.3 1111 10.0 0.0 12.2 4.8 1111 8.3 10.0 1111 1:11 11:1 EXTREME MINIMUM TEMP 20 20 20 64 65 65 47 32 52 25 52 16 52 13,6 500 13.2 1300 13.2 3. 13,3 2000 13,8 1307 AVERAGE 36.6 90.4 56.8 55.8 56.0 57.1 56.8 57.3 58.2 58.1 58.6 \$6.4 26.3 56.3 58.1 58.1 58.7 56.7 56.7 1956 1950 1956 957 1957 1966 996 1973 1966 1959 1974 1957 1973 1973 1959 1976 1973 1957 1957 27.2 24.4 31.7 29.4 25.6 26.7 30.6 29.4 34.4 33.9 34.4 31.1 31.7 37.8 36.1 30.6 24.4 26.7 25.6 26.1 36.7 EXTREME MAXIMUM TEMP 80 68 19 86 00 6 85 88 30 00 6 8 23.6 23.4 21.4 20.1 21.6 23.9 21.4 20.9 21,3 22.2 22.1 22.1 23.3 20.0 20.3 21.1 AVERAGE 72.0 75.0 11.2 9.0 69.5 9.69 0.0 68.8 0.69 4:01 6.01 12.2 71.8 73.7 74.2 15.0 14.0 74.8 68.1

> 7.2 7.0 16.6 16.9

63.0

9

63.1

63,2 62,6

63.6

7.3

7.3

63.5

DAY

0

MEAN TEMP AVERAGE 17.6 18.1

63.7

12

13 14 15 16 17 130 19 2 21 22 23 24 25 56

0

17.4

61.9

00 0

62.5 4.69

> 10 11

0

981

ALSO ON EARLIER YEARS

1

950

1963

57

1952

1:11

1965

10.6

1975

1

.

58.9

1974

33.9

1961

1961

8.

1001

57.3

1976

37.8

100

22.6

72.6

18.3

6.49

Monthly

31

. 8

20.0

1975\*

51 25

1963

0.01 9.0

58.9

1976

32.8 32.8 32.8

6

23.8

19.3

19.1

66.3

19.2

66.5

66.7

19.1

4.99

6.99

19.0

66.09

( )

19.2

18.1 18.8

6.49

191

64.5 9.49

9.49

23.4 23.6

74.1

58.3 58.4

1976

1976 1976

35.0

73.4 76.3

4.6

8 . 61

67.6

28 53 30

27

0.1

74.5

37.8

00

11:1

889

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

## DAILY AVERAGE/EXTREME TEMPERATURES

1947-1977

MIRAMAR, CALIFORNIA

STATION NAME

STATION 93107

0

MONTH

として

YEARS

\*796 1967\* 9654 1962 1975 1952 1974 1974 1952 876 1952 1952 1952 1952 1952 256 962 1962 2961 1961 952 146 1961 1947 1962 1961 696 1952 1961 975 947 975 13.3 12,2 10.0 12.2 13.9 13.3 74.4 15.6 \*\*\* 14.4 0.0 12.2 13.9 13.3 13.9 14.4 13,3 12,8 12,2 12.8 111 13.3 13.3 12.8 11:1 1:11 11.7 EXTREME MINIMUM TEMP 96 60 20 36 52 57 32 16.0 16.6 15.4 10.4 . . 15.2 15.4 15.9 10.0 .0.4 16.2 16.8 17.2 E 16.3 15.1 200 16.3 16.5 6.9 100 16.7 16.9 15.1 10. 15.1 AVERAGE 63.0 61.8 0.09 61.5 919 62.2 62.0 62.0 62.1 61.3 59.5 59.3 59.8 98.65 2.10 9009 61.3 61.1 59.7 60.7 61.7 19961 19961 1957# 19961 1966 1954 1960 1960 1960 1970 1970 1950 1968 1968 1968 1953 1954 1960 1977 1972 1960 1957 1954 1953 1959 1972 1957 1981 1977 1957 1977 1977 32.2 38.3 33.3 32.2 29.4 1016 33.3 33.3 35.6 32.8 28.9 31.1 33.3 35.6 33.9 32.2 31.1 30.6 31.1 33.3 36.1 32.8 31.7 32.8 33.3 36.7 31.7 31.7 EXTREME MAXIMUM TEMP 96 68 35 88 96 88 06 38 88 92 €6 101 89 68 16 86 83 16 16 92 0 26.3 25.9 25.0 24.8 25.8 26.3 25.4 25.9 25.8 26.5 25.4 26.4 25.3 25.3 54.9 25.2 26.1 25.5 25.7 26.8 26.7 26.7 26.1 26.3 26.7 AVERAGE 19.6 77.0 16.6 76.6 78.4 19.3 80.0 79.6 17.5 77.5 16.9 77.3 78.9 79.4 78.5 17.9 78.3 79.7 70.61 80.5 80.9 78.6 77.7 76.7 80.2 80.1 80.7 22.3 50.6 21.6 21.3 21.3 20.0 2006 21.3 21.4 20.6 20.8 21.3 21.4 21.8 22.2 20.0 20.9 20.8 21.4 21.2 21.0 21.7 20.4 20.7 22.1 MEAN TEMP AVERAGE 0.89 69.69 69.9 4.69 1069 71.1 1.69 8.07 10.2 71.2 72.1 70.3 69.1 70.3 10.6 4.01 4.0 9.07 70.0 69,2 0.89 1.9 68.89 69.8 : Monthly DAY 10 12 15 16 11 18 19 2 22 24 25 28 8 30 11 13 14 21 23 26 27 31 9 6

ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

## NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

MONTH

YEARS

1947-1977

MIRAMAR, CALIFORNIA

STATION NAME

AUGUST

MINIMUM TEMP	EXTREME	ູວູ	14.4	13.9	15.0	13	12.8	11.7	11.7	13.9	13.9	13.9 19	13.9 1	13,3 19	13.9	11.7		13.9		13,3	13.9	13.9	59 15.0 1974	-	~	56 13,3 1975	54 12.2 1975	57 13.9 1975	53 11.7 1975	53 11.7 1975	53 11.7 1947	53 11.7 1975	5.40
M	35	0,	17.3	17.6	17.2	17.1	17,3		17,2		17.5	17.6	17,3	17,03	17,5	14.1	14.1	17,5	1,11	17,2	2641	1,11	10,8	16.6	16,6	10.9	16,8	17.0	16.8	10,0	10,2	16.5	
	AVERAGE	u.	63.2	63.6	65.9	62.8	63.1	62.6	65.9	63.1	63.5	63.3	63.2	63.2	63.5	65.8	62.6	63.5	62.7	63.0	65.9	62.8	7:29	619	6.19	4.29	2.29	65.6	65.3	6119	61.1	61.7	7 64
		DATE	1972#	1971*	1966	1961	1969	1971	1970*	1965	1965	1969	1965	1965	1965	1965	1965*	19664	19961	1961	1961	1961	1961	1972	1956	1968	19961	1965*	19714	1968	1961	1976	#1961
MP	EME	o	35.0	34.4	32.2	31.7	33.9	34.4	33.3	33.9	34.4	32.8	32.8	35.0	35.0	35.0	31.7	32.2	30.6	31.1	32.2	31.1	32.2	36.7	34.4	31.1	31.7	31.1	32.2	32.2	33.9	36.7	1 - 7 %
MAXIMUM TEMP	EXTREME	u.	56	76	96	89	63	16	26	63	96	16	16	66	56	56	89	06	69	80	06	00 E	06	86	96	88	68	89	06	06	63	86	46
W		0	27.1	27.0	26.3	2601	26.7	27.2	27.3	27.1	26.7	26.3	26.1	26.3	26.4	26.6	26.8	26.7	26.0	26.1	1.92	56.4	26.2	26.3	26.4	26.7	26.6	26.3	26.2	26.1	26.4	26.7	36.8
	AVERAG	u.	80.08	9008		78.9	1.08	61.0	81.2	40.7	60.1		78.9	79.3	19.6	79.8	80.2	80.1	78.8	78.9	19.0		79.2		79.5	0.00	-	79.4	19.2	1 -	19.6	80.1	80.3
WP	3:	0,	22.2	22.3	21.7	21.6	22.0	22.1	25.2	25.2	22.1	21.8	21.7	21.8	21.9	21.8	21.9	22.1	21.6	23.7	21.7	21.7	21.5	21.4	21.5	21.8	21.7	21.7	21.6	21.3	21.4	21.6	21.8
MEAN TEMP	AVERAGE	u.	72.0	72.1	71.1	70.8	71.6	71.8	72.0	71.9	71.8	71.3	71.0	71.2	71.5	71.3	71.5	71.8	70.8	71.0	71.0	71.1	10.7	10.6	70.7	71.2	71.0	71.0	2001	70.4	70.5	40.01	71.3
-	L	DAY	1	2	6	4	60	9	7	00	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	36	27	28	82	30	3.4

10

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

0

0

0

93107 STATION

# DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT DAILY AVERAGI

MIRAMAR, CALIPORNIA

93107 STATION

0

0

0

0

G

STATION NAME

1947-1977

YEARS

364

SEPTEMBER

		DATE		_	6	-	3	7 1970	*9561 6*	_	_	_			7 1952	_	*	_	-		0 1970	100 1954	4 1954	1 1970*	2 1973*	1 1970	1958	8961 0	1661	•			
1 TEMP	EXTREME	ွ	13.	13	13	12	13	-	13	12					-	12	•	=	13	1	2	2	-	=	12.	11.	11.	10.	11:		.6	•=	7==
MINIMUM TEMP	â	¥°														24	6.6	22	26	26	2						23	26	25	7		25	2.0
	GE	ပ	1.	17.0	16,9	16,8	16,8	16,9	10.9	16,4	10.3	10,8	06/1	1643	16.2	1661		10,3	16.4		15,2	15.2	15,3	15,4	15,6	15,5	15,3	15,3	15.7	5.3		13,	15,3
	AVERAGE	<b>4</b> °	62.7	62.6	62.4		62.2	61.7	62.4	919	61.7	62.3	62.6	61.1	61.2	6009	6000	61.4	919	6009	59.4	59.4	59.5	59.7	0.09	59.9	59.5	6065	6009	59.6		59.6	59.6
		DATE	1955	1955	1950	1961	1961	1955	1949	1976	1956	1956	1959	1971*	1971	19961	1958	19961	1966	1661	19561	1981	1972*	1970	1975	1975	1963	1963	1963	1963		1963	1963
MP	EME	၁့	41.7	42.2	38.9	37.8	35.0	36.7	36.1	33.3	-	37.2	36.7	35.6	39.4	31.7	32.2	2.	33.3	3.	31.1	31.7	2.	33.3	36.1	36.1	36.1		42.8	41.7		35.6	35.6
MAXIMUM TEMP	EXTREME	<b>L</b>	107	308	102	100	66	86	46	76	100	66	86	96	103	89	90	16	92	92	88	88	06	92	66	46	66	111	109	107		96	95
	GE	၁့	27.2	27.1	27.4	26.9	26,8	26.8	27.2		27.0	27.1	27.1	26.2	26.4	25.6	25.4	54.9	24.7	54.9	25.1	25.2	24.9				25.6	3.		25.6		55.5	
	AVERAGE	u.				80.5			80.9	40.7	9008	80.08	80.8	19.1	79.8	78.0	77.7	76.9	76.5	76.9	77.1	77.3		78.8	78.6	19.62	78.1	7.87	78.2			40.	76.2
NP.	ш	၁့	22.1	22.1	22.2	21.9	21.8	21.6	22.0	21.8	21.7	21.9	22.1	21.3	21.3	20.8	20.6	20.6	20.6	20.3	20.1	2002	20.1	20.7	20.7	21.0	4.02	20.7	20.7	20.4	7 00		19.8
MEAN TEMP	AVERAGE	40	71.8	71.7	71.9	71.4	71.2	6.02	71.6	71.2	71.1	71.5	71.7	10.4	70.3	69.5	0.69	69.1	0.69	68.6	68,2	68.3	68,2	69.5	69.3	8069	8.89	69.3	69.2	8.89	48.8		67.6
		DAY	-	2	3	4	5	9	7	8	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	56	27	28	20	2	30

ALSO ON EARLIER YEARS

### 

# DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

	4I A
	どなり
	CALL
	-
-	MAN
	IRAH
	I

STATION 93107

Q

0

0

0

0

STATION NAME

1947-1977

MONTH

OC TOBER

YEARS

MEAN LEWIT			W	MAXIMUM LEMP	MP			4	MINIMUM TEMP	MP	
AVERAGE	E	AVERAGE	196	EXTREME	EME		AVERAGE	SE	EXTREME		
	ۍ ه	<b>.</b>	00	u.	ى °	DATE	J.	၁့	u.	ွ	DATE
	19.6	75.8	24.3	66	35.0	1965	58.5	14.7	95	7.8	1971
_	19.8	76.7	24.8	66	37.2	1965	58.7	14.8	69	9.6	1441
8	19.9	77.5	25.3	63	33.9	1958	58.1		64	4.6	1971
	2002	77.7	2	86	36.7	1953	59.0	15,0	23	11.7	161
_	20.3	78.1	5	001	37.8	1953	59.1		25	1:11	1950
	20.5	17.3	25.2	86	36.7	1961	6009	15,8	00	10.0	1969
~	20.1	78.0	8	63	33.9	1971+	58.4	16.7	15	10.6	19754
-	19.6	77.0	5	63	33.9	1976	57.6	14.2	48	8.9	1961
	19.3	76.4	-	76	34.4	1976	57.0	13.9	69	9.6	1975
9	18.7	75.0	23.9	86	36.7	1461	50.5	13.4	4.00	8.9	1973
65.3	18.5	74.3	23.5	16	32.8	1971	56.3	13,5	69	9.6	1973
65,3	18.5	14.6	23.7	46	36.1	1950	56.1	13.4	43	8.3	1973
65.5	18.6	75.3		66	37.2	1950	55.6	1301	96	7.8	1952
66.1	18.9	76.0		105	9.09	1961	56.3	1303	65	9.6	1952
m	19.6	77.5		102	38.9	1961	57.0	13,9	20	10.0	1960
2	19.2	76.5	24.7	104	0.04	1958	56.5	13.6	43	6.3	1971
9.99	19.2	76.7		100	37.8	1958	50.5	13.6	45	7.2	1971
0	18.9	74.9	3	93	33.9	1961	57.1	13.9	4.5	7.2	1971
65,3	18.5	75.3	3	66	37.2	1964	55.3	12.9	63	6.1	1949
6	18,3	14.3		100	37.8	1964	55.5	1301	4.5	7.2	1949
20	18.2	13.5	23	102	38.9	1	56.1		63	6.1	1949
*	18.0	73.8	23	104	40.0		54.9		**	6.7	1949
9,49	18.1	13.9	23.3	66	37.2	1	55.3	12.9	4.5	7,2	1971
	18.0	74.5	23	96	35.6	1	54.3	12.4	**	6.7	1975
6403	17.9	74.7	23	96	35.6	1	53.9	12.2	**	6.7	1971
64.3	17.9	74.1	23	92	33.3	1	54.4	12.4	4.5	7.2	1971
64.3	17.9	73.8	23	62	35.0	1	54.6	12.7	4.7	8.3	1970
9.49	18.1	75.2		63	33.9	1973*	54.0	12.21	63	1.0	1441
64.3	17.9	75.1	23,9	92	33.3	1965	53.5	11.9	38	3.3	1971
-	17.8	74.8	1	6	35.0	1962	53.4	11.9	33	9.0	1671
1.	17.3	13.7	23.2	92	33.3	1962	55.5	1104	04		1461
6	18.8	75.5	24.2	105	40.0	1961	56.2	13.4	33	9.0	1971

0

\*ALSO ON EARLIER YEARS

# DAILY AVERAGE/EXTREME TEMPERATURES

התחור

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

STATION NAME MIRAMAR, CALIFORNIA

93107 STATION

1947-1977

YEARS

MOVEMBER

		DATE	1441	1261	1955	1975	1973	1973	1975	1974*	1971	1952	1952	1950	1947	1961	1964	1971*	1958	1961	1961	1961	1953	1971	1971	1971	1973	1971	1976	1976	1976*	1975	4760	12/01
4	1E	၁	9.0	1.0	6.1	1.0	100	1.0	0.1	7.8	2.0	7.2	9.6	6.7	5.6	9.6	4.4	3,3	4.4	3.9	3,9	+ " +	+	5,0	8,3	8.2	3.9	6.1	4.4	2.8	3,3	3.9		6.9
MINIMUM LEMP	EXTREME	۰ ۳	1+		43	6.3	63	69	44	94	1,	6.6	24	**	24	42	04	33	04	39	39	04	04	14	38	34	36	43	04	37	38	39		10
M		o°.	11.7	11,9	11,8	12.1	12,1	1100	11.4	11,1				11.0	11.3	11.0	10.4	1001	10.2	9,6	6.4	6.6	9.2	8.7	8.6	0.6	9.6	10 K. C.	0.6	106	9,2	6 6	4 4	100
	AVERAGE	₽°	53.1	53.4	53.3	53.7	53.7	52.8	52.5	52.0	52.2	52.0	51.6	51.6	52,3	51.8	50.8	50.2	50.3	49.2	49.5	1.64	48.0	47.7	47.4	48.2	0.64	6.64	48.2	6.84	48.5	48.6		200
		DATE	1966	1966	19764	1976	1976	1949	1956	19761	1956	1956	19744	1974	1949	1949	1949	1976+	1949	6961	1954	1954	1954	1950	1950	1959	1953	16861	1969	19961	1953	1961	1000	7400
4	ME	o°.	37.8	36.1	34.4	36.1			32.2			33.3	31.1			30.6		28.3		3101	27.8	-		31.1	29.4	30.6	32.8	28.9	27.8		28.9	31.7		3/00
MAXIMUM TEMP	EXTREME	۰ ۳	100	46	46	46	96	06	06	68	95	26	88	68	06	87	69	83	88	88	82	8	85	88	83	87	16	48	82	4	48	89		001
MM	31	ပ	23.7	23.3	23.7	23.7	23.4	23.7	22,5	22.5	22.8	22.6	22.4	21.4	21.2	19.9	19.5	19.9	20.5	20.4	20.2	20.4	20.2	19.7	21.1	22.1	23.4	50.9	20.7	21.1	21.4	20.8	1.	41.0
	AVERAGE	H.°		74.0	74.7	74.6	74.1	74.6	72.5	72.5	73.1	72.7	72.4			61.9			68.89			68.7	68.3	67.5		71.8					70.5			200
		٥.	17.7	17.6	17.8	17.9	17.7	17.6	16.9	16.8	17.1	17.0	16.7	16.2	16.2	15.5	14.9	15.0	15.3	15.0	14.9	14.9	14.7	14.2	14.8	15.6	15.4	15.4	14.8	15.1	15.3	19,1		10.0
MEAN TEMP	AVERAGE	٠,	63.9	63.7	64.0	64.2	63.9	63.7	62,5	62.2	62.7	62.6	62.0	61.1	61.2	59.9	58.9	29.0	9065	59.0	58.9	58.9	58.5	57.6	58.7	0.09	59.8	59.8	58.7	59.1	56.5	59.1	0 07	000
		DAY	1	2	8	4	2	9	7	8	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	- 29	30	31	Monthly

0

010

\*ALSO ON EARLIER YEARS

# DAILY AVERAGE/EXTREME TEMPERATURES

TUNN

MIRAMAR, CALIFORNIA STATION NAME

93107 STATION

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

1947-1977

YEARS

DECEMBER

	MEAN TEMP	EMP		MA	MAXIMUM LEMP	AL.			2	MINIMON LEWIS	AIN.	
_	AVERAGE	GE	AVERAGE	IGE	EXTREME	ME		AVERAGE	E	EXTREME	ME	
DAY	4°	၁့	٥.	၁့	u o	ى °	DATE	9°	o°.	40	္စ	DATE
1	58.8	14.7	69.5	20.3	85	29.4	1959	48.4	9.1	04	4.4	1975
2	58.9	14.9	69.5	20.7	84	28.9	1959	48.5	9,2	60	4.4	1973*
3	57.9	14.4	68.5	20.3	68	31.7	1958	47.4	8,6	38	3.3	1973
4	57.5	14.2	66.7		83	28.3	1965	48.4	9.1	39	3.9	1971
5	57.1	13.9		19.3	88	31.1	1965	47.5	8.6	37	2.8	1971
9	57.0	13.9	•		8.1	27.2	1963	47.0	8,3	38	3,3	1968
7	56.2	13.4	66.8		83	28.3	1963	45.6	7.6	34	1.1	1960
8	56.4	13.6	66.7	19,3	86	30.0	1963	46.2	7.9	30	-1.1	1971
6	\$6.5	13.6	66.5	19.2	98	28.9	1957	46.5	8.1	33	9.0	1960
10	95.9	13.3	65.7		83	28.3	1950	46.0	7.8	37	2.8	1975
11	56.1	13.4	65.6	18,7	98	30.0	1958	46.7	8.2	36	2.2	1971
12	56.5	13.6	67.0	19.4	100	27.2	1958*	46.0	7.8	35	1.7	161
13	56.1	13.4	6.69	19.4	88	31.1	1953	45.4	7.4	34	1.1	1967
14	56.0	13.3	66.3	19.1	98	28.9	1993	45.6	7.6	33	1.7	1971
15	56.3	13.5	66.7	19.3	82	27.8	1958	45.8	7.7	36	2.2	1961
16	57.1	13.9	67.5	19.7	82	27.8	1976	46.0	8.1	34	1.1	1971
17	56.7	13.7	66.7	19,3	82	27.8	19634	46.7	8,2	34	1.1	1971
18	55.8	13.2	65.4		19	26.1	1958*	46.2	7.9	36	3.9	1968
19	56.3	13.5	66.2	19.0	82	27.8	1954	46.5	8,1	38	3,3	1975
20	53.9	13.3	9.69	19.2	86	30.0	1960	45.2	7,3	35	1.7	1971
21	55.1	12.8	64.7		80	26.7	1960	45.5	7.5	34	1.1	1968
22	55.5	13.1	65.0		80	26.7	1960	45.9	7.7	34	101	1968
23	56.0	13.3	65.7	18.7	80	26.7	1960	46.2	7,9	39	3.9	1968
24	55.8	13.2		18.7	80	26.7	1956#	46.0	7,8	35	1.7	1948
25	55.6	13.1	69.3		78	25.6	1972*	45.9	7.7	33	0.6	1974
26	55.6	13.1	65.8	18,8	81	27.2	1947	45.4	7.4	34	1.1	1953
27	55.1	12.8	65.1		83	28.3	1956	45.2	7.3	38	3.3	1974:
28	54.7	12.6	63.8	17.7	85	29.4	1963	45.5	7.5	38	3,3	1971
53	6.46	12.7	6.40	18,3	68	31.7	1963	44.8	7,1	35	1.7	1971
30	54.2	12.3		17.9	82	27.8	1963	44.2	8.9	34	1.1	1971
31	53.9	12.2	63.9		81	27.2	1968	0.44	6.7	34	1,1	1971
Monthly	56.2	13.4		19.0	80		1963*	46.2	7.9	0	-1.1	101

0

2116

\*ALSO ON EARLIER YEARS

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

47-77

MIRAMAR, CALIFORNIA STATION NAME

93107 STATION

YEARS

WHOLE DEGREES FAHRENHEIT

YEAR	JAN.	5	MAR.	APR.	MAY	, jon	JUL.	AUG.	SEP.	OCT.	NOV	DEC.	MONTHS
47									66	63	16		
48	80	19	72	68	61	74	88	80	63		82	7.	
64	69	2	68								76	180	
20	2	72	69	91	7.8	80	90	60	102	66	63	83	102
51	49	75	90	75	7.8	83	92	68	92	26	98	69	92
52	74	81	63	81	90	1	06	92	63	80	44	10	66
53	63	83	20	99	68	25	06	83	83	100	16	88	100
34	80	88	23	74	90	08	00	68	6	92	8	82	92
55	11	19	83	29	83	00	8 2	46	108	99	88	3	108
96	78	73	09	16	96	89	83	*6	100	*	6	83	100
57	11	19	13	16	7.4	100	101	16	99	83	90	84	101
200	19	80	69	88	88	8	62	68	92	104	82	8	100
88	78	7.4	80	06	16	83	86	66	86	63	81	88	86
09	11	72	79	88	98	90	96	87	96	9.6	0.0	80	96
10	98	80	63	68	83	16	88	26	100	103	06	-	101
62	88	63	7.5	88	69	4 50	08	06	88	98	88	81	6
63	83		69	8	63	82	78	16	111	98	87	89	
50	89	2	20	99	62	8	68	06	06	100	69	16	001
63	83	89	61	98	09	11	69	66	92	104	63	88	104
69	4	2	98	66	77	30	68	*6	92	000	100	=	100
67	25	90	6	69	76	09	88	16	68	9.8	88	16	18
99	23	*	99	87	88	06	96	85	98	96		81	6
69	58	74	62	40	16	63	88	96	16	88	8.1	08	96
20	72	88	09	82	63	5	16	92	96	98	0	78	96
7.	85	87	51	06	9.6	83	16	10	103	86	63	69	10
72	2	73	73	2	48	19	96	80	06	20	18		36
73	73	72	89	11	63	46	88	88	96	63	83	28	6
1,2	75	80	23	44	8.8	8	88	82	88	86	0	10	96
7.5	200	16	70	7.1	7.8	19	68	83	44	81		18	
16	88	19	18	16	82	100	83	86	85	16	44	83	100
MEAN													
S. D.													
TOTAL ORG													

្ឋ

NAVWEASERVCOM

.

0

MAXIMUM TEMPERATURE

10

MIRAHAR, CALIFORNIA STATION NAME

93107 STATION

0

WHOLE DEGREES FAHRENHEIT

MONTHS		8.86
DEC.	5	30.0
NOV	2	6.00
OCT.	8	1,50
SEP.	64	95.1
AUG.		016
JUL.	46	268.4
JUN.	08	6563
MAY	2	0.88
***	8	7,563
MAR.		79.1
		5.630
JAN.	26	5.535
YEAR		MEAN 5. D. TOTAL OBS.

0

0

MAXIMUM TEMPERATURE

0

(FROM DAILY OBSERVATIONS)

MIRAMAR, CALIFORNIA STATION NAME 93107 STATION

0

47-77

VBASED ON LESS THAN FULL MONTHS/

YEAR JAN.	z.	MAR.	APR.	MAY	JON.	JUL.	AUG.	SEP.	OCT.	NON	DEC.	MONTHS
14							068				106	MAX TEMP
9									200			-
64						2 4	250	242	2.00			-
63	91											
75										9 6 8		MAX TEMP DAYS
MEAN												
S. D.												
TOTAL OBS.												

NAVWEASERVCOM

NO

192219

0

0

HINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

47-77

MIRAMAR, CALIFORNIA STATION NAME

93107 STATION

WHOLE DEGREES FAHRENHEIT

YEAR	JAN.	<b>E</b>	MAR.	APR.	MAY	JON.	JUL.	AUG.	SEP.	OCT.	× 0×	DEC.	MONTHS
4.4										90			
100 <b>4</b>	34	**	36	39	4.7	20	25	8	20	•	-	35	40
64	31	38	43								94	36	
20	33	38	42	45		64	58	53	23	20	41	+	33
31	75	39	37	63		24	26	23	25	65	43	37	34
35	30	30	40	4.4	47	48	52	23	64	9	42	39	30
53	35	34	37	39	64	64	37	96	26	4.	0.	34	34
24	4.1	*	41	47	47	25	57	80	64	64	40	39	36
35	38	36	65	43	95	16	20	55	34	16	24	39	36
96	39	37	42	42	30	25	58	53	57	48	**	0.4	37
57	39	14	(4)	4.5	16	24	65	09	37	23	24	4.5	39
58	04	*	39	**	20	34	80	62	53	53	80	45	36
99	4.5	42	**	55	6.0	36	19	65	80	-	85	24	24
09	36	7	44	4.5	46	21	96	00	40	20	42	33	8
10	39		94	94	53	34	38	29	24	84	24	04	
62	35	39	40	48	99	2	3	28	26	52	*	0	35
63	36		**	46	40	06	53	58	09	24	43	10	
40	38	04	37	47	20	2	22	09	96	25	33	0	37
60	37	34	64	42	47	3	20	10	53	68	6.	39	36
99	37	38	33	47	53	25	26	29	40	23	4.5	37	33
10	04	04	30	19	24	95	57	99	00	20	43	34	34
99	36	*	4	4.4	47	2	24	26	24	*	41	34	36
60	37	04	25	**	04	34	58	99	88	8.8	**	33	3.5
20	33	45	4.7	43	84	83	58	28	31	40	41	•	88
=	31	35	35	4.2	84	4.4	53	27	69	33	37	30	30
72	28	35	45	41	*	2	57	22	42	45	4	36	200
13	35	39	96	- 4	65	24	29	33	23	43	30	38	3
74	37	38	38	41	43	25	20	28	24	20	4	33	33
13	34	34	2	04	643	4.1	34	53	25	*		37	
16	31	39	39	41	4.8	20	20	26	29	4	37	04	31
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

MIRAMAR, CALIFORNIA

WHOLE DEGREES FAHRENHEIT

MONTHS	37							34.5	3.088	10781
DEC.	**							38.0	3.494	086
NO N	45							4202	2.717	670
T.	25							4.84	160.4	930
SEP.	96							54.4	3.181	006
AUG.	29							57.9	3.082	930
JU.	30							56.3	2.333	930
JUN.	20							9119	2.515	870
MAY	65							41.4	2.707	899
APR.	4.5							43.7	2.941	870
MAR.	80						-11-72	40.3	3.237	930
<b>.</b>	33							38.6	3.059	792
JAN.	33							35.9	3.702	930
YEAR								MEAN	S. D.	TOTAL OBS.

NAVWEASERVCOM

**3** 

0

0

0

OND

192283

0

0

MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

YEARS

47-77

MIRAMAR, CALIFORNIA STATION NAME

93107 STATION

8

0

0

0

0 0

WHOLE DEGREES FAHRENHEIT

4

MONTH	JAN.	<b>.</b>	MAR.	APR.	MAY	JGN.	JUL.	AUG.	SEP.	OCT.	NOV	DEC.	MONTHS
4.9											96	100	MIN TEMP
64							4	44	5.3	1.9	6.5	00	MIN TEMP
:							32	2 2	7	27			•
19		**											DAYS
63		47											MIN TEMP DAYS
15											29		DAYS
MEAN													
S. D.													
TOTAL OBS.													

0

0

0

4

0

0

0

NAVWEASERVCOM

NAC

73-77

MIRAMAR, CALIFORNIA

68	)	

50)

0

0 3

	Dew Point														-	15	11	20	18	16	114	113	06	85	69	68	69	92	22	200	3 2		Total			
TOTAL	Wet Bulb D												-	10	33	=	141	123	175	178	116	96	16	85	99	52	11	m c		-		1	, P			_
1	Dry Bulb V	72	m 4	=	•	13	19	53	23	30	4	25	99	28	116	131	119	121	104	19	62	7	36	1.1	•	-	-						≥ 93 F			
	D.B./W.B. D	~	w 4	=	0	13	19	67	53	30	43	25	99	28	116	131	119	121	104	10	62	1	38	1.1	•	-	7					h Temperature	≥ 80 F			
	z 31																															Hours with	≥73 F			
	28 29 - 30																							-					-		_	Mean No. of 1	4 L9			
	. 26 27 .					7.									_																	¥	1			
	. 24 25 .			. 2			.2	7.							_				_													+	≥ 32			
-	- 22 23			2.	2	•	9.	9.	7.													-		-					-			+	≥ 0 F			
ON (F)	9 - 20 21			-		.2	4		9.		.2				_																	+				
SEPRESSIC	7 - 18 1			+	:	-:	7.	2.	.2	2.	•			7.										-								No. Obs.				
RATURE	15 - 16						~		9.	•	. 7		*	-		7.																1				
WET BULB TEMPERATURE DEPRESSION (F)	11 - 12 13 - 14 15 - 16 17 - 18 19 - 20							•	•		•		•	6.	-	•			1.													å,				
WET BU	10 11 - 12			-			-		•	•	.3	•		1 .9		=	.5	•	8.	2. 0	2	2										×				
	8 9 - 10								•	•	•	-	-	-	•	-	•	•	•	-	•	•	•	2	_	-					-	+				
	6 7.			+						•	_									1					• 1		.1		-		-	NX X				
	.4 5.			+										1		0.	-	5	70	•	0	6.	*	1							-	+	-			-
	. 2 3			+										-	•	8	1.5 2			-:		0	9.	7.	~					-	-	2x2				
	0			+						-		-				-				-				:					-			-				
d		83	181							60				1				1				1		37	35	53	31	67		53	12	(X)	fem.	dlub	Bulb	Paint
Temp.	(F)	96/	80/	787	16/	141	12/	101	68/	199	149	179	109	186	26/	241	52/	106	48/	195	134	124	104	38/	36/	34/	32/	106	103	24/	727	Element (X	Rel. Hum.	Dry Bulb	Wet Bulb	Dew Point

0

0

0

0

0

0

93107 STATION

	100
51	6
_	

•	2	Dew Point	20 57	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	
MAL	PAGE 2	TOTAL Wet Bulb		1240	
		Dry Bulb		1240	
		TOTAL D.B./W.B.		1240	
		1 2			
		WET BULB TEMPERATURE DEPRESSION (F) 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-24 27-28 29-30			
	8	6 27 . 2			
		1 25.2		8.	
		2 23 . 2			
		(F)		5.1 2.5 2.2 2.0 1.5	
73-77		RESSION 18 19		2 6	
	1	URE DEPI		1.	
		WET BULB TEMPERATURE DEPRESSION (F)			
		T BULB T		6	
		WE		9.8 7.3 5.8	
RNIA	STATION MANE	7.8 9	Name of Street, or other Designation of the Owner, where the Parks of the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, which is the Owner, which is the Owner, where the Owner, which is the		
LIFO	7.5	5.6		1.31	
20 0		3.4		11:12	
HIRAMAR, CALIFORNIA		1.2		.210.621.717.312.7	
I	1	0		7.	
93107	STATION	Temp.	18/ 13	10/ 9 8/ 7 07AL	

0

0

90

NAVWEASERVCOM

Element (X)

Ref. Hum.

Teta 0 744 0 744 0

2 93 F

280 F

273 5

267 F

10 F

No. Obs. 1240 1240 1240

55.1 22.171 53.5 8.895 45.3 5.876 35.6 9.845

68196 02699 26669

Dry Bulb Wet Bulb Dew Point

20255

1240

10.2

Mean No. of Hours with Temperature

ISEAR-TEOS MIN

~
4
E
8
SU
S
U
2
Œ
-
ш
E
0
×
I
$\overline{\mathbf{c}}$
9
>
S
-

100 0 0 0

4

0

STATION			•	STATION NAME		1							YEARS					PAGE	момтн 1 .
						1												ноп	100 1
Temp.	0 1.2	3.4	5.6	7.8	W . 10 . 9	ET BULB	. 14 15	WET BULB TEMPERATURE DEPRESSION (F)	RESSION	WET BULB TEMPERATURE DEPRESSION (F) 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23	22 23 .	. 24 25 .	. 26 27 .	28 29 .	30 231	D.B./W.B.	3. Dry Bulb		Wet Bulb Dew Point
88/87	-	_								-				-	-		2	1	
84/83														-					
-											2.	-	2 4	-			4 10	4 10	
-								7:	.2	4		72				-		*	
10/02					7:	7.	2.		7.	4 10	0.3							n	
L.		1.		.2	7.4	2.4	5.	J 1.		v 4	-:					35			
	-			1.4	0.00	200	4.0	00	400	.3						7		<b>D</b> -1	m
		1			2.0	0.4		. ·	* 2							0 0		7	* ~
56/ 53	7.		-	::	00	3.	2.5	6.1	:							128			
	2.3	4 4 4 4 4 4			5.0	9 9	• -:	7								114			
48/ 47	7.	1		1.1	* *	3	::									71			
		1			*	:			-							26			
40/ 39	-		•. •	•						-						27			23 62
1-																		28	
																			5 36
52 /92																			m m
24/ 23																			2 2
Element (X)	2x2			2x		×	σ×	Ž	No. Obs.				Me	an No. o	f Hours v	Mean No. of Hours with Temperature	roture		
Rel. Hum.										,"	20 F	₹ 32 ₽	AL	₹ 79 £	≥73 F	≥ 80	F = 293	3 F	Total
Dry Bulb					-	1				+			+			1	+	+	
Wet Bulb						-							_	-			_		

0 0 0 0

FEB

73-77

HIRAMAR, CALIFORNIA

	Dew Point	14	12	9 79	2	-	1128		Total	012.0	0.276	672.0
TOTAL	fet Bulb											-
	Dry Bulb Wet Bulb Dew Point						1128		≥ 93 F			
OTAL	D.B./W.B. D							Mean No. of Hours with Temperature	≥ 80 F	7.5		
	231 D.I					-	-	#i# s		11.3		+
					-		2	of Hou	273			
	- 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30							ean No.	≥ 67 F	33.0		
	26 27 .				-	-	5	- 2	-		3.0	7.
	24 25 .					-	9	-	± 32 F		•	156.1
	12 23 .							-	40 F			9.
9	0 21 - 2				-		1.5	_	vi			-
WET BULB TEMPERATURE DEPRESSION (F)	8 19 . 2						7 2.6	- Se	1128	8211	871	1128
E DEPRE	17 - 1						2.7	Ž	-	-	-	-
ERATUR	15 - 16						3.6	1	113	1.928	894	342
LB TEMP	13 - 14						.3	O.x	23.013	١	1	-
WET BU	11 - 12						5.6	<b>&gt;</b>	8 . 79	2005	701	39.4
	9 - 10						8.7	1	+	+	+	+
	7 - 8						11.6	24	10799	9119	1286	76999
	5.6											
	3.4						2.40		9980	3387683	2566462	1863850
	1.2						419.824.314.211.4	2,2	5040599	338	162	186
	0						1					
-	1	5.1	25	= 0	-			8	E 3	Male	Suff	Point.
Tem	9	/81	191	121	2	9 6	10707	Florest (V)	Rei. Hum.	Dry Bulb	Wet Bufb	Period med

0

0 0

0 0 0

HAR HONTH

HIRAMAR, CALIFORNIA

93107

15648 - 7605 - 8491

Temp.							WET BULB TEMPERATURE DEPRESSION (F)	EMPEK	AIUKE D	PKESSIC						1			TOTAL	
_	0	1.2	3.4	9 - 9	7 . 8	9 - 10 1	11 . 12 13	3 - 14 15 - 16	5 - 16 17	. 18 19	- 20 21	. 22 23	. 24 25	- 26 27	. 28 29 .	30 ≥ 31	D.B./W.B.	. Dry Bulb	Wet Bulb	Dew Point
76/	75												2					16		
1	3					1	1	-	-	-	-				+	+				
	1.1								-	.2				14						
1	61					-			-		.3			+	+	+				
					1.	•			::	2	. 2		:				13	15	;	
	19			1				1.			-		-	1	-	-	2			
								3		. 2		•					32			
	1	•	T	-	-		9	5			+	+	+	-	+	-	3			
60/ 5	.61	•	. 2	1.5	2.8	-											200	206		
	1			2.5	-						+	+	+	+	+	+	N.	1		
		.3		100	1 ~	4		. 2									151	151	100	4 (4
	13		5:1	2.5	'	•	2.	7.	•	:	+	+	+	-	+	+	13	1		
	11	2.3	5	5.0	-	*	7	N		-							156		-	20
	20 61	2	9.0	1.2			1.		+	+	+	+	+	-	+	+	13			
			4.3	1.5		.2	.1										122	122		
1	13		3.6	1.0					-		-	-	-	-	-	-	20			
	3		1.6	1:0													50	20	146	151
	1.		1.1												-		35	35		L
	6	.2		. 2													1		53	
38/ 3	1													-	-				69	
	5																		11	28
	13																			9
	-																			ř
	6														-					2
	1.																			<u> </u>
	5																			2
7 /22																				•
- 1																				
- 1	2																			
																				*
	1.																			
Element (X)	0	2x2			Σx		×	σ×	2	No. Obs.				W	Mean No. o	of Hours v	with Temperature	ature		
Rel. Hum.												10 F	₹ 32	*	≥ 67 F	≥73 F	≥ 80 ₽	293		Total
Dry Bulb						_														
Wet Bulb	•																			
							-	-					A CHARLESTON		-					

0

0

0

0

0 0 0 0 0

5 PSYCHROMETRIC SUMMA JAN 68

1	STATION NAME		18	STATION NAME				1					ı,	YEARS					*	MONTH
																			PAGE	GE 2
H					*	ET BULE	WET BULB TEMPERATURE DEPRESSION (F)	ATURE D	EPRESSI	(F) NO							TOTAL		TOTAL	
4	0 1.2	3.4	9.6	7 . 8 9	9 - 10 1	1 - 12 1	3 - 14 1	1 91 - 5	1 81 - 7	9 - 20 2	1 - 22	23 - 24	25 - 26	10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30	29 . 30	131	D.B./W.B.	Dry Bulb	Dry Bulb Wet Bulb Dew Point	Dew Po
-	.213.931.619.814.8	9116			1:	*:	1.2	6.1	1:1	•	4.	.4	7.				1240	1240	1240	1240
-																				
-																				
-																				
-																				
-	-																			
+																				
+																				
+																				
-	2×2			×	-		×		No. Obs.					Mean	No. of H	ours wit	Mean No. of Hours with Temperature	afore		
-	58	2020128		84179	-		17.465		1240	0	10 F	H	≤ 32 F	≥ 67 F	. *	≥73 F	≥ 80 F	≥ 93 F		Total
	33	2249966		92099	-		6.413	9	1240	0				29.52	7.	7.6				164.0
-	17	5404617		20273	+	60.0	200		154	0		-			-					0
Dew Point	77	2000						į												

0

The State of the S

0

0

APR

YEARS

73-77

MIRAMAR, CALIFORNIA

93107

MO O

PAGE 1

0

0

0

0

M	10	2/	B	38	A	3	M	٨	A	N

mp.	_	18 / 28	76/ 75		11 /21					9	66 /09	•		53	10 /05		64 /94	64/43	42/ 41	-		36/ 35		30/ 29	12 /82		22/ 21	-	-	Element (X)	Rel. Hum.	Dry Bulb	Wet Bulb
	1.2																	7.	.2											2x2	230	3790216	567
	3.4										7.	1.1	7 6 6	1:		•	3	1:3											8.326.326.017.8	1	1133	917	557
	9-6								7.		6 . 3	3.0					4	7.	7										0.0				-
	7 - 8 9							-	::	-	-	*	4.7		•		::												9.	ZX	6619	22699	59167
*	9 - 10 11							1.5	1.5	•	1.5	1.2	9.	•	•	+							1						0.6	H			+
ET BULB					. 7			.2	4.	6			6.	-		+							1						0.	X			+
WET BULB TEMPERATURE DEPRESSION (F)	- 12 13 - 14 15 - 16 17 - 18 19 - 20 21		:	:		•	•		6.		0.	:				+		-											3.0	Ø,x	2006	6.174	0.210
ATURE D	5 - 16 17			-	7.	.3	• 5		2.	.2	7.			1		+		-					1						1:3	1			0
FFESSIC	. 18 15		7.	7.			7	7	7.					1		+		+				-	1						1.0	No. Obs.	11	1199	1199
E N	. 20 21			7.	2.	.2		•1	1.					1		+		-					1		-				7.1		6	6	6
	. 22 23	7	:		•									1		+		-					1		-				0.		±0.₽		
	. 24 25	-110		•			-							1		+							1						*		≥ 32		
	. 26 27	7														+		-					1		-			-	:	2	4		
	. 28 29 .		-	-										+		+		-					+		-					Mean No.	≥ 67 F	58.6	
	30 ≥31			-						_				+		+		-			_		-		-			-	-	of Hours with		14.4	
TOTAL								_		_	-	-	-	-	-	-		_					-						1199	with Tem	2 80	*	
1	.B. Dry Bulb				07		00						1 761						11				+		-	-		-	6611	Temperature		••	
0	Je Wet Bulb		- 0		0	28	30	38	4.1	63	100	171			108			61	11				+		-					$\  \ $	≥ 93 F		
	<b>Bulb Dew Point</b>			-			_			3	0:	1.	000	971		90	143	64	55	-1	~	-	+		-	-		-	1199		Total	720.0	720.0

	193		Dew Point							•	2.5	90	207	240	212	316	129	m	1240		Total	0.44	0	000
MAY	PAGE 1	TOTAL	Wet Bulb D					~	*	37	113	225	500	165	<b>F</b> *	6 ~			1240		1			
1	•1		Dry Bulb V	~~	-10	00	7.5	200	26	140	192	601	28	20	m ~				1240		2 89 F			
		TOTAL			-6	C 00	14	200	91	1603	258	109	28	9	m ~				1240	Temperati	2 80 F	1.8		
			231																	Hours with	≥73 ₽	7.61		
			28 29 . 30			-						-				-				Mean No. of Hours with Temperature	₹ 67 F	9.69	7.0	
	1		25 . 26 27 .																		≥ 32 F			•
			23 . 24	•															:		1	-		
		(3)	20 21 - 22	1.	1						-	-							2.	-	10 F			
73-77		WET BULB TEMPERATURE DEPRESSION (F)	0 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21				-:												:	2	1240	1240	1240	1240
		RATURE D	15 - 16 17		7.	21.	.2	:	:			-							•			13	16	12
		LB TEMPE	13 - 14		-:													1		6	11.4	5.473	3.0	
		WET BU	11 - 12			1.01	2.6			2. 6	1	-							3 3.3	b		29.0	55.9	0 6 8 5
4		1	9.1				•	~	9 (0	-	• 1	-		-		-	-		013.		+	1		_
NEDR	STATION NAME		7.8					•••	200	1				1	N	_	-		613.	200	84532	13104	929	29506
ALT		1	9.6							0.0	1				1				30.		1	0	1	5
18.			3.4						*	•	0				•				6.327.930.815.013.		9679765	4346950	3492611	7555
HIRAMAR, CALIFORNIA			1.2		-		-			-		-	•	2.					•	7.3	39	63	34	97
	5	-		87	79	==	22	60	63	500	: .:	23	51	4.2	63	166		100	1.	1	(A)	Bulb	Bulb	Point
1016	STATION	1	E	126	100	19	12/	102	63	129	1	34	125	68	93	129	38/	35/3	4		Pel Hum	Dry Bulb	Wet Bulb	Dew Point

NAVWEASERVCOM

TOTAL	TOTAL	WET BULG TEMPERATURE DEPRESSION (F)
HOURS (L.S		

73-77

Temp.							-	-	(i) closed the succession of the control of the con										TOTAL		-	
	•	1.2	3.4	5.6	7.8		0 11 .	12 13	14 15	- 16 17	- 18 15	10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21	1 . 22 23	. 24	25 . 26 2	27 . 28 29	29 . 30	182	D.B./W.B.	Dry Bulb	-	b Dew Point
							_								:				1			
						,											-		-	-		
															-				1	1		
													.1	.1	-		•		8			
									-				7.	•	7.	-:			9		_	
									-:			• 5	.1	• 5					9	•		
										:		• 5	.2						83			
									7.		.2	7.	-:						•		_	
									. 3	2.	.2	.2		7					12			
						•	-	7.		7.									11	7		
							-	7.	1.	6.	-		1	1	1	1			16			-
					•		-	7	•	9	. 1	.2							41			•
				7.	•		1	7.	6.	-			1	-	1				35			
					•	6	.1 2	5.3	2	7									69	69		•
			-	1	-	7		6	6	+	-	+	+						59			9
		7.			7	-		0			7.								94	8		•
	•		6.		7	7		1			7.								83			9
		6.				m		-:											120			
			2.5	1	2	3	2	-		-									158	158	109	
	.2	1.0			-	•	-												192			
	•				•	2	-												172			
																			06			
							-												1.4	*1		
													-						-			
1																					33	
1							-															53
																						2
16 /25																						
- 1							-	+	+	+	1	-	+	1	1	1						1
30/ 59																						
Element (X)		2x2			Z×		×	-	σ×		No. Obs.	-				Mean No.	4	Hours with	Temperature	ture		
Rel. Hum.													20F	13	32 F	≥ 67 F	-	273 F	≥ 80 F	2 93	٤	Total
Dry Bulb																						
Wet Bulb																						
	-	Name and Address of the Owner, where				The state of the last		The second second				-		-	-			The second second			-	-

E

NAVWEASERVCOM

0

0

0

93107 STATION

MIRAMAR, CALIFORNIA STATION NAME

MO O

1 3	Point					0.0	120.0
IGE 2	All Dev					Total 720	25
PAGE 2	Dry Bulb Wet Bulb Dew Point	1199				293 F	#
	Dry Bul				e a	1	+
	TOTAL D.B./W.B.	1186			Mean No. of Hours with Temperature	280 F	1 1
	231	*			lours with	273 F	0.
		•			o on		1 1
YEARS	27 . 28 20	•			Mean	267 F	1 (
	. 24 25 . 26 27	•				≥ 32 F	
	2 23.2	2				+	
	F)	•				30 F	
	WET BULB TEMPERATURE DEPRESSION (F)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			- de	1200	6611
	URE DEPR				Ž		
	EMPERAT				×	7.386	4.199
	ET BULB T					-	1
	W of					64.1	1
STATION NAME	7.8 0					76821	68349
472	4.4	0.124.420.613.013.0					
	3.4					5698920	3940199
	1.3	•			242	965	394
STATION	Temp.				Element (X)	Rel. Hum. Dry Bulb	Wet Bulb

#### 5 PSYCHROMETRIC SUMMA JAN 68 PSYCHROMETRIC SUMMARY J. XTWOM PAGE 1

YEARS

	Wet Bulb Dew Point														12				214			187	120	40	4.	~	1239	1 1		Total	144.0	* * * *
TOTAL	Wet Bulb											2	•	94	86	136	215	192	187	152	103	33	-	2				4621		-	0	1
	Dry Bulb	-	*	*	2	0	15	22	36	99	48	83	101	26	132	503	104	154	65	•	•						1240		9.	≥ 93 F		-
TOTAL	mi	-	3		2	30	13	22	36	94	20	83	101	26	132	203	164	134	63	6	0				1			1239	of Hours with Temperature	≥ 80 F	43.8	-
	231		1																							1			ors with	3 €	183.0	+
	9 . 30		-1							+				-						-			1			1	7:		, o e	27	1	
	7 . 28 29		-:							+		-		-		-		-		-			1			1	7		Mean No.	₹ 67 F	381.0	
	5 . 26 27	:	-							+	-	-				-				-			1			+	2					+
	1 - 24 25		-	7.				-		-		-		-		-				-			1			+				₹ 32	-	+
	9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23	-	1	:						+	• 1	1		-		-		-		-			1		-	1	2		1	20 F		-
E Z	. 20 21				• 1	7.	.3	2.	. 1	+		+		-		-										1	.7			6	0	-
EPRESSIC	. 18 19	-	1			2	. 2	-	.2	-				-		-		-					1			+	•		No. Obs.	1239	1240	-
ATURE DI	5 . 16 17	-	1			• 5	4	.5	.3	2.		7.	_	-		-						-				1	1.6				3	-
WET BULB TEMPERATURE DEPRESSION (F)	3 - 14 15	-	1			7.	.2	•	6.	5.	9.	7.	-			-		-		-			1			1	3.0	1 1	, a	13.376	6:433	
ET BULB	1 . 12 1	1	1			7.	7.	3.	6	1.3	2.2	2.2	1.9	. 3	.2	-		-					1		+	1	9.6				-	+
*	. 10 1	-						7:		00				5.3	1.0			-		-			1			1	2.0			630	2080	
	7.8 9	-	1					-	7.	0	0	1		1	0	0:	•	2.					1		$\dagger$	1	1031		×	91698	21958	
	5.6	-	1					-	_	2.	4		1.6			-	5.7	1.1	3.0	7.	·		-			1	7.723.429.111.31		W	0	C	-
	3.4	1						-		+	.1	-		1	3.9				1.2		·		-			1	3.45			786	233	
	.2		1							-		+		7.	1.2	2.1	1.9	7.1	3	-	1.				1	1	7.72		×2	6234786	5625233	
	0								-	1		-						:		-	-					1	7	1	7			-
_	L	63	16	0	87	62	63	18	19	=	75	13	12	60	67	60	63	6	20	37	25	53	10	24	6.5	7	· .		8	E.	·l6	+
Temp.	•	196	126	106	188	198	148	128	109	181	191	101	121	101	189	199	140	129	109	186	26/	24/	126	48/	195	124	TOTAL		Element (X)	Rel. Hum.	Dry Bulb	-

0 0 0 0

(a)

01 10

0 0

0 0

93107

AUG

73-77

8		

9. 10 11. 12 13. 14 15. 16 17. 18 19. 20 21. 22 23. 24 25. 26 27. 28 29. 30 231 D.B. W.B. Dry Bulb Wet Bulb Dew Point	21			*	01 01									133	193	193	193	100 100 100 100 100 100 100 100 100 100	2001	1001	1002	1001	102 103 103 103 103 103 103 103 103 103 103	700111 8 7 1 1 8 7 1 1 8 7 1 1 1 8 7 1 1 1 1	700000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	129 11 18 18 18 18 18 18 18 18 18 18 18 18	70011 701 767	7001	102 102 106 106 106 106 106 106 106 106 106 106	102 102 102 106 106 106 106 106 106 106 106 106 106
11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 .	17 - 18 19 - 20 21 - 22 23 -	:	• 2			.1			7.														2 .2	2.	2.	2.	2.	Z	2. S. O. O. O. J. C.	2 • 2 • 2 • 2 • 2 • 2 • 2 • 2 • 2 • 2 •
0 11 - 12 13 - 14 15 - 16	0 11 - 12 13 - 14 15 - 10		-	. 22	. 2.			1.6	3.1	-	30.7		4								,		\$. C.E 0.9	6.6	6.6	0.6	6.6	2. c	9.0 3.5 X X X Y Y Y Y	γ × σ × σ × σ × σ × σ × σ × σ × σ × σ ×
						-	:	.2 .2 1.0	7.7	2.6	9 €.0		0.5			000								6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6	5.6 5.1 1.5 6.1 2.7 5.1 2.6 5.1 3.6 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1	0.000 0.000	5.6.1 1.0.4.0 1.0.2.1	7. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	1. 2. 1. 1. 1. 2. 1. 1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	2, 2, 3, 4, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6,
0 1.9 3.4 5.6	1.2 3.4										1		3.5	7.2	3.0	2.7 3.3	2.73.3	22.72	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1	100000	100000	N							
(F)		69 /0		_	4/ 83		6/ /0	_	6/ 13	_	11/2	_	19 /89		1	1 -	200	5,000	2000	2000	20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	224422444	200000000000000000000000000000000000000	200000000000000000000000000000000000000	22444444	224422444	20000000000000000000000000000000000000	200000000000000000000000000000000000000	20000000000000000000000000000000000000	E : 9 (8)

NAVWEASERVCOM

93107

1	
JAN	68

0 1.2 3.4 5.6 7.8 9.10 11.2 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.28 29.  1	Temp.							WET B	ULB TEM	ERATUR	WET BULB TEMPERATURE DEPRESSION (F)	SION (F)							TOTAL		TOTAL	
9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		0	•			7.	^	=		15 - 16	17 - 18	19 - 20	- 22	- 24	. 26	. 28	. 30		.B./w.B.		Wet Bulb	Dew Po
8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9																			10			
8 3 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9									/										2	•		
83											,							7.	2	2		
1   1   1   1   1   1   1   1   1   1												•			-		-		et	00		
8 3									•		•	•							10	10		
79								•	•	•	•	•							15	25		
79	1								•	•								-	00	80		
1								•		•	_									58		
1	1								•	•			.2				-	-	32	32		
13						•	-	-	•	•	~		-						26	26		
11	1			7:	•	-	2	n		•			-				1	-	13	73		
07 2.3 2.0 3.8 4.3 .4 .3 .1 .2 .1 .2 .1 .2 .1 .2 .1 .2 .1 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2				. •	-	-	2	0	•	_									77	77	6	
05 2.29 9.2 2.9 1.0 1.1 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.2			-	0	-	6	-	-	1						1		1	-	16	16	-	
1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				3.0	6	4		. •	•		•				1				149	149	45	
2.3 9, 2 3, 0 4, 0 3 0.1 1 1 1 1 1 269 1 1 1 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1			1.8	0.0		~			~4		•							-	202	202	104	
99 .1 2.9 1.3 .4 .1			2.3	9.2				m		_									189	189	178	
59 .1 2.5 1, 3 .4 .1	1			0.0	2.		-	-	-						12			-	173	173	569	-
10 10 10 195  11 1 2 0  12 1 1 1 2 0  13 1 1 1 2 0  14 4 4 5 5 1  15 1 1 1 2 0  16 1 1 1 1 2 0  17 1 1 1 2 0  18 1 1 1 1 1 2 0  18 1 1 1 1 1 2 0  18 1 1 1 1 1 2 0  18 1 1 1 1 1 2 0  18 1 1 1 1 1 1 2 0  18 1 1 1 1 1 1 2 0  18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			2.5	1.3	•		-												52	52	307	
1	1		7.			-	-												10	10	195	
21			-	-:	•												غملك		4	*	51	
27 28 29 29 39 30 30 30 30 30 30 30 30 30 30 30 30 30	1		:																-	-	20	
1															7						_	
13	1						-										-	-			6	1
130 331 27 27 28 29 39 30 30 30 30 30 30 30 30 30 30 30 30 30																	7				-	
27 27 27 27 28 31 27 27 27 27 28 31 31 31 31 31 31 31 31 31 31 31 31 31	1								-									-				1
27 27 27 28 39 41 29 41 41 42 42 43 44 45 45 45 45 45 45 45 45 45 45 45 45																						
35 35 37 27 27 27 27 28 39 30 30 30 30 30 30 30 30 30 30 30 30 30	1							-	-								-					
35 31 27 27 28 39 30 30 30 30 30 30 30 30 30 30 30 30 30																						
35 31 27 29 27 27 29 20 20 20 20 20 20 20 20 20 20 20 20 20	1																					
31 27 27 28 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20																. ,						
27 27 27 28 29 29 20	1																F					
27 27 27 28 29 29 29 21 21 21 22 21 22 21 23 21 24 25 25 25 25 25 25 25 25 25 25 25 25 25																						
14 (X) ∑X² ∑X	1 -														7			-				
20F 532F 267F 273F 280F 293F	1 2	1	2x2	T		ZX	+	×	6	1	No. O			1	1	Mean No	o. of Hou	urs with	Temperat	Gre		
Dry Bulb Wet Bulb Jaw Paint	Rel. Hum.												10	vi		≥ 67 F	17.	3.5	2 80 F	293	-	Total
Wet Bulb	Dry Bulb													-								
Dew Point	Wet Bulb													-				-			-	
	Dew Point						-		_	-		T		-			-					

0 0 0 0 0 0 0

NAVWEASERVCOM

USEAR. TOOS MISH

93107 STATION

0 0

0

0

SEP

YEARS

73-77

Temp.		1	H	I +	1 P		WET BUI	WET BULB TEMPERATURE DEPRESSION (F)	RATURE	DEPRES	ION (F)							TOTAL		TOTAL	
(4)	0 1.2	+	3.4	5.6	8.7	9 - 10	11 - 12	13 - 14	15 . 16	17 . 18	10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 -	21 - 22	23 - 24	25 . 26 27	28	29 . 30	×31	D.B./W.B.	Dry Bulb	Dry Bulb Wet Bulb Dew Point	Dew Po
TOTAL	.111	.328	.01	8.91	111.328.018.914.410	9.0	9.1	3.5	1.8	1.0	1.3	1.2	.5	-			•		1198		1198
																		1198		1198	
									-												
		-																			
		-																			
	-	-																			
			-																		
			-																		
Element (X)	2x2	2		M	ΣX	$\vdash$		Ox	H	No. Obs.					Mean P	to of He	urs with	Mean No. of Hours with Temperature	ture		
Rei. Hum.	0	9082850	50		3020	-		0.0	18	11	66	20F		± 32 F	3 67 F		273 F	≥ 80 F	2 93	F	Total
Dry Bulb	-	2241501	70	0	91112	1		0.418		1198	86				340.8	1	140.5	41.5		8.	720.0
Wet Bulb		6706	36		7117	1	. 000		5	1	94				34.3		0 ,	-			120.
Dan Bains	6			-			Ì										-				

0

0

0

0

0

93107

MAL	68

Temp.							*	ET BUL	B TEA	PERA	TURE	DEPRE	WET BULB TEMPERATURE DEPRESSION (F)	(F)								TOTA	1		TOTAL	
_	0	1.2	3 . 4	5.6	7 . 8	6	. 10 11	- 12	13 .	4 15	- 16	- 12 13 - 14 15 - 16 17 - 18 19 -	8 19 .	20 21 -	22	23	. 24 25 .	. 26 27	. 28	29 - 30	= 31	D.B./W.B.		Dry Bulb V	Wet Bulb	Dew Poin
	7									_											•	1	_	-		
							-							******							•	2	•	*		
1						_				-				-				7.	-	2.			-	-		
																	-	.2					0	•		
1							-		•	-								7:		-			00	80		
											-				.2	•		7					1	-		
1						-			•	7	2.		~				2	-:	7.				91	0.1		
								-		-	2			7				7	,			_	9	16		
1		1				-	+	.2		2	.2		1	+	2.		2	1	1		1		0	10		-
					•		~		•	4	-		0				_	-1					100	23		
- 1	1	1			-				1						1	1	-				1				1	
				•			4 0	•	•					,		•.	9 .				-				•	
				•			20		•	*		•	7	•	:	•	_							0	-	
1			1	•	-		0		•	2		•		-:			-							:		
		-		-	~		0		•	•		*		.3	.2							2		106	•	
1			1	-	6		-	7.	-	-		•		2.			-	1	1			-		36	33	
					~		0.		•	4	~	*									-	16		180	82	14
1	-				1	1	-	7.		2	2.	•	-	1			1	1				F	1	133	151	
	7.	2.3					4.		•	2		.2	~	-			Winner,					7.	141	141	193	•
1	7.			=		1	-	7.	•	2	-		-	-			-	-					L	83	242	=
				. •			.2		•	-:	-			-				-				_	78	18	173	
1			1	•		7	-	-		-			-	+			-	1	1			-	9	36	133	
		4	1.3	. •		7.	2	-:															58	58	90	
1			1			-	-	-		-			1	-			-	-	1				7 7	1.4	53	1
										-				-				-					_		04	
1	1				1	1	-		1	+	1		1	+			1	+	1		1	-	-	-	21	1
64 / 43																	-							•	17	2
	1				1	1	+			+	1		-	+			1	+	1		1	-	+	+	-	1
																							_		2	~
1	1					+	+		1	+	1		1	+			1	+	1	-	1	-	+	+	-	2
													-												-	-
1						-	-			-			-	+			-	-					-	1		-
										-				-									_			-
i						-	-			-				-			-	-					-	-		-
																										-
Element (X)		2x2			Zx		-	×	0	σ×		No.	Obs.	-					Mean P	No. of	Hours v	with Temp	Temperature			
Rel. Hum.														-	20F		₹ 32	4	₹ 67 ₽		≥73 F	280	1	≥ 93 F		Total
Dry Bulb														-		-		-		-						
Wet Bulb														-						-						
Dew Point		The state of	The same of											-						-						

NAVWEASERVCOM

0

0 1

0

0

MIRAMAR, CALIFORNIA

73-77

MIRAHAR, CALIFORNIA	STATION MANE	WET BULB TEMPE	0 1.2 3.4 5.6 7.8 9.10 11.12 13.14					2x2 X X X X X 2 20.531	79822 64.4	61701
73-77		WET BULB TEMPERATURE DEPRESSION (F)	10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30						1240	nec to
	TAB		2 23 - 24 25 - 26 27					200	125	
			. 28 29 . 30 231					Mean No. of Hours with Temperature	233.4 90.6	200
		TOTAL					0 1540	with Temperot	11	
0	PAGE	TOTAL	D.B./W.B. Dry Bulb Wet Bulb Dew Point				721	8		
007	PAGE 2 HOURS (LST.)	DIAL	Bulb Dew Point	07	01	6 2	0	Teo.	766.0	-

0 0 0 0 0

-
~
4
=
2
¥ ⊃
=
S
U
_
RIC
ET
ш
8
0
~
I
U
>
S
4

VON HONTH

73-77

MIRAMAR, CALIFORNIA

93107 STATION

Temp.							WET BUI	B TEMPE	RATURE D	WET BULB TEMPERATURE DEPRESSION (F)	N (F)						TOTAL		TOTAL	
(F)	0	1.2	3.4	9.6	7 - 8	9 - 10	11 . 12	13 - 14	15 - 16 1	10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20	. 20 21	. 22 23	. 24 25 .	26 27 .	28 29 -	30 ≥ 31	D.B./W.B.	Dry Bulb	-	Wet Bulb Dew Point
6 / 6	3.4																			
90/ 89	-10														. •		~~	24		
8/8	- 5														2.2		9 10			
8/1													2	7.	0		77			
2/ 8											• 5	2.					11			
1 /0	6												*	•	1.		51			
1 /8											.2			7.			-			
10	0.5									2.4	0 4	7.5	0.5	7.			2 2 2 3 3			
1/2					•		. 3			9				+	+	+	23			
9 /0					-		•			(n)							33			
9/8				-	1			0.	6.	*	3.	7.		+	-		24			
9 /9			.2						•	*	•	7			_		61			
0 /+	-			1	1	-		0.			7.	-	-	-	-		86			
5/ 6	_					-	•	•		•	.2						76			
6 /0		•	-					7.0		*							11			
10			- 1				•										117			
6 / 5	7. 6	1.8	2.8	1.8	1.0			0.4	::								104	104	168	6 9
\$ 12		1.0	7			1				+	+	+	+	+	+	-	72			
10	•	1.2	(M														70	70		-
18		1.2	7	1		1.	3.					-	-	-			57			
4 /9	•							-									28			
	-	•		1			•					-	-		-		61			6
5/2	_	4.				•	•										74			
6 /0			2.	1	-									-			*	•		
6 /8	_				7															
10/4																			11 2	
2 /2	- 0																			34
Element (X)		2x2			Σ×	_	×	σ×		No. Obs.	-			Me	Mean No. of	Hours	with Temperature	ofure		
Rel. Hum.												≤ 0 F	≥ 32 ₽	F 2	≥ 67 F	≥73 F	≥80 F	≥ 93	F	Total
Dry Bulb																				
Wet Bulb																				
				-		-			-					-	1			-		

0 0 0 0 0

NAVWEASERVCOM

15EAG. 7605 NSM

VOICE STATION	ALKANAK, CALITURNIA	STATION NAME			1100		YEARS	2			1	MONTH	
											V d	PAGE 2	ST.
Temp.			WET BUL	3 TEMPERATURE	WET BULB TEMPERATURE DEPRESSION (F)					TOTAL	1	TOTAL	
(6)	0 1.2 3.4 5	5.6 7.8 9.	10 11 - 12	13 - 14 15 - 16	10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21	- 22	23 - 24 25 - 26 27	7 - 28 29 - 30	184	D.B./W.B.	Dry Bulb We		Dew Point
12 /92													318
12 /22													- 5
													91
18/ 17		+	+	-		+		+		+	+	+	-
													8
11 /21													
2/ 1													m -
Element (X)	$\Sigma_{\mathbf{X}^2}$	Σ×	×	x,	No. Obs.			Mean No. of Hours with Temperature	Hours with	Temperatur			
Rel. Hum.	4551870	41689	21.0	404.65	1199	≥ 0 F	≤ 32 F		≥73 F	≥ 80 F	41		Total
Dry Bulb	492040	1378	23.63	0,00	1199			130.1	10.5	30.0	4.7		720.0
Wet Bulb	3088743	10400		5.113	1199		3.0					-	20.
Dew Point	C\$10017	48383	2016	667.01	1199		130.					-	0.02/

0

PSYCHROMETRIC SUMMA JAN 68

NAVWEASERVCOM

12648.7800 NSH

73-77

MIRAMAR, CALIFORNIA

93107 STATION

0

0

0 0

0

			1
			- 2
			- 3

O O O ED

-							THE BOTH THE PURITUE OF MESON (1)	-	CONTRACTOR STATE								VIOI -		1	
-	0	1.2	3.4	5.6	7 - 8	9 - 10 11	11 - 12	13 . 14	- 12 13 - 14 15 - 16 17 - 18 19 - 20 21	7 - 18 15	9 - 20 2	- 22 23	- 24 25	. 26 27	. 28 29 .	30 = 31	D.B./W.B.	B. Dry Bulb	-	Wet Bulb Dew Point
											-	+	+	+		-	1		1	
80/ 79													7	2				4	*	
												-	2.	. 3						
											• 2	.2	m.	2	_		74	4 14	•	
							-:			7.	.2	2.	0	-		-	-			
									4	.2	•	· ·	2.				2			
				7.				-	7.	9.		.2		-	-	-				
-			7		.2	•			1.0	8	9.						*		-	
1		1		7			0	c.	0.1	9.	.2	2.	+	+	+	+	3			1
		• 1		9			4	80		4					-				• •	
- 1	ľ	1				•		1		. "			+	+	+	-	1		-	1
	•					•		•	7 0	•	-				_		-			
		-	1.0				•	•			. 2						•			
			1.0	*				•						-			10			
			2.0	1.3					4	.1							•			
1		ĺ	.:	5.5	1			3.	7.	-	-	-	-	-	-	-	=			L
			2.7	1.2			•		.2								118	8 118	135	
1	•	6:1	3.0	0.1	1				-	1	1	-	+	+	+	+				L
	-:	1:1	2.3	7.0				.2									0			
1		104	1.1	4.7						-	+	+	+	+	-	-	6			1
		1.1	•		. 7	.2	. 1								_		*	*	66	
1		•		•	1	*	:				-	-	-	-	-	-	6	L		
		•				•											~			
í			:	. 3						-	-		-	-	-	-	-		1	
					. 1										_			1 1	36	
l					-						-	-	-	-	-	-	-			
																			-	
ł									1	-		-	-		-	-	-	-		1
																			~	
1													-	-	-	-	-	-		1
																_				Ř
20/ 19														_						35
18/ 17								T				-	+	-	+-	-	-	1		9:
×		2x2	1	1	×××	7	×	×	-	No. Obs.	+	1	1	Ž	Mean No. o	f Hours	of Hours with Temperature	afure		•
Rel. Hum.						-			-		1	40.	5.32	4	2 CY E	3 77 E	08 ^	1 403	-	Total
Dry Bulb						-			-		+		1	+			3	+	-	
Wet Bulb						+	T		+		+			+	1	1	-	+	+	
	-	-																		

2	100	0
5	PSYCHROMETRIC	SUMMA
	And the last of the second sec	

PAGE 2	TOTAL Dry Bulb   Wet Bulb   Dew Point		13.	1240	1240							1	Total	166.0	144.0	
4	Tr. Dry Bulb We			1240	-							tore	293 F	0		
	TOTAL D.B./W.B.				1240							Mean No. of Hours with Temperature	*	3.0		
	30 ≥ 31			-			-				+	of Hours w	≥73 F	20.0		
,	7 . 28 29 .										-	Mean No.	≥ 67 F	18.0		
YEARS	1 25 - 26 2			00									≥ 32 F		0.0	
	WET BULB TEMPERATURE DEPRESSION (F) 9 - 10   11 - 12   13 - 14   15 - 16   17 - 18   19 - 20   21 - 22   23 - 24   25 - 26   27 - 28   29 - 30			1.4 1.4								-	10 F			-
73-77	ION (F)			2.5								3	0 %	05	04	
2	RE DEPRESS			8 3.4								S. S.	1240	12	12	
	WET BULB TEMPERATURE DEPRESSION (F)			5.4 4.8								ď,	23.537	8.466	256.9	-
	WET BULB			8 7.7								×	1		1	
STATION NAME	7.8 9.10			6				-				+	+	69899	+	
NATION NATION	5.6 7			5.411		+						- 3				
AR, C	3.4			.916.019,115,411.5									4984847	3858435	30579	-
MIRAMAR, CALIFORNIA STATION NAME	0 1.2			.916.		+		-				242	4.9	30	87	· Comments
ros A	1	11	9 6	٠,								(8)	Hca.	Dry Bulb	Bulb	
93107 STATION	Temp.	12/	10/	TOTAL								Flement (X)	Rel. Hum.	200	1.4	Wet Bulb

12 0

NAVWEASERVCOM

-	-			
٠		,		
z		h		
r	•		-	
7		к		
	-			

					STATION NAME									YEARS	•					PAGE	GE 1
Temp.							WET BUL	B TEMPE	ATURE D	WET BULB TEMPERATURE DEPRESSION (F)	ON (F)						1	TOTAL		TOTAL	
-	0	1.2	3.4	5.6	7 - 8	9 - 10 11	11 - 12	13 - 14	19 - 19 1	- 12 13 - 14 15 - 16 17 - 18 19 - 20		21 . 22 23	3 - 24 25	``	7 - 28 29	. 30	≥31 D.I		Dry Bulb	Wet Bulb Dew Point	Dew P
16 /86												-		•		0	•	20	2		
		1							1	+	+	2	+	0	0	:	0	20	. 0		1
16 /26												0	0	0	0	0	::	21	21		
											0	0.		0	0.	0.	0	52	52		
	_							0	0	0	0	0	0	0	0	-		36	36		
1	1								0		0.	0.		0.		0.	-	40	40		
84/ 83	•						0	7.		0	7	0	0	0	7.	0.		10	10		
								7.	-	0.	0.	-:	-:	0.	0.	-	-	76	36		
	•				0.	•		.2	.1	.1	7.	-:	7.	. 1	0			145	145		
1								7.	-		0.	-:	7.	7.	-	-	+	502	502		
76/ 75	-		0	0.				6	. 1	7.	.2		7.	0				362	363	-	
	-					r		-:	7.	-:	-		7.	0	-	-	-	447	447	•	
_	_				•	-		7.		7.	.2	.2	1.					341	541	31	
		0.			1	-		7.	7.	7:	7.		0.	-	-	-	-	204	204	83	
	_	.2	1.0	-1		-		2.		•	.2	7.						851	851	243	
1	0.	•		-	1	-				7.	7.	•			-			130	1130	441	
		1	2.	7			•			.2		•						677	1229	190	
10 /70	-	10		,,		. 4	9.0		90	7.	•						_	1621	1621	1133	110
		1	-	,			•		7.	•	•	+	1	+	+	+	-	101		757	
26/ 58		20	200	•	10		* "		- (	•								000	200	1906	•
1			"	3					9.	2		-	-	1	-	+	-	200	20071	7	
50 / 62			7.0	-					00							_	_	36	200	101	1130
			"	•	•				2	1	+	+	+	+	+	+	+	000	004		
700		•	7.	•.														840	240	1148	
		1		•	•				1	1	+	+	+	+	+	+	+	100	300		
		- in		- 10		-	0											252	252	632	
1					•				1	1		1	+	1	,	1	-	189	189	457	
40/ 39	•	. 1		•	•	0												61	8	354	
38/ 37	0.		•	•							-	-	-	+	-		-	30	30	260	1
36/ 39		•	•	•	•													-	7	154	368
-	3																	2	7	25	
32/ 31	1			•														-	-	27	
Element (X)		2x2			Σ×	_	×	σ×		No. Obs.					Mean No.	o. of Hours	with	Temperature	Jre		
Rel. Hum.						-						≤ 0 F	≥ 32	. F	₹ 67 F	≥73	3 F	≥ 80 F	293	F	Total
Dry Bulb																					
Wet Bulb						-			-		-			-		-	-			-	
						_			_											_	

INO O O

0

0

0

0

0 0

93107	MIRAMAR, CALIFORNIA	ALIFORNIA			73-77							ALL	
STATION		STATION NAME					=	YEARS			اما	PAGE 2	1 2
Temp.				LB TEMPERATUR	WET BULB TEMPERATURE DEPRESSION (F)					TOTAL			П
-	0 1.2 3.4	5.6 7.8 9.		13 - 14 15 - 16	10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30	21 - 22 23	. 24 25 . 26	27 - 28 29 -	30 = 31	D.B./W.B. Dry Bulb Wet Bulb	ry Bulb V	-	Dew Point
12 /87												-•	256
52 /92												-	213
22, 21													193
18/ 17													= 3
12/ 13													3.0
10/ 9													21
6/4									-				n -
1 /2 -													n
TOTAL	.3110124.9	.311.124.921.913.910	6.9 6.3	3.6 2.5	3 1.7 1.4	1.0			7.	14601	14002	14601	10991
	2.7				į į							+	T
Element (X)	66370330	966998	200	106.91	16603			Medn No. o	M SIDOL A	mean No. or nours with temperature	-		T
Rel. Hum.	54296230	1	1	9.315	14602	105	97.5	.02053.4	879.5	223.3	7.8		0.00
Wet Bulb	42107002		1	1.600	10941		5.62	100	0.6				8760.0
Dew Point	33577277		46,7	10.749	16991	9.		10.2	••			87.	0.00

NAVWEASERVCOM

# MEANS AND STANDARD DEVIATIONS

DAY-BULB TEMPERATURES DEG F FROM HOUMLY DESERVATIONS

73-77

MIRAMAR, CALIFORNIA

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
10	S. D. TOTAL OBS	5.673 155	000	48.8 3.889	3,945	55.1 2.782 155	59.2 3.354 149	63.5 3.069 155	3.181	3,228	59.6 4.418 155	54.0 5.800 150	49.6 5.341 155	55.5 7.367 1625
*	S. D. TOTAL OBS	5,757	48.0	47.8	49.8	54.5 2.913 155	3,230	63.1 2.880 155	63.3 3.407	63.3 3,354	58.8 4,723 155	52.9 6,084 150	5,486	7.586
10	S. D. TOTAL OBS	\$6.4 5.909 155	47.6	49.0 3.811	53.2 3,794 150	2,779	61.3	3.696	3.869	4,234	4.652	53.2 6.680 150	48,5 5,694 155	55.9 8.244 1825
2	S. D. TOTAL OBS	7,300 6	59.8	5,532	61.4	63.8 5.506 155	70.1 8.025 150	73.9 5.322 155	73.9	73.1	70.7	9.149	62.1 6.742 155	66.2
2	S. D. TOTAL OBS	63.3 8,159 7	7.139	60.1 5.586 155	5,914	5,221	71.042	75.7 5.087 155	3.609	74.2	7.188	9,108	65.3 6,622 155	88.28 8.288 1825
16	S. D. TOTAL OBS	59.9 6,815 155	5.876	58.3 4.546 155	5,371	63.0 4,398	6.481	73.5	3.760	71.7 5,692 150	69.0	65.5 7.729 150	5,230	7.760
61	S. D. TOTAL 08S	53.6 5.607	54.5	53.3	55.2 3,931 150	57.5 2.717 155	62.7 5.461 150	66.8 4.292 155	3.153	65.9 4,389	4,252	58.7 6,333	54.3 4.438 155	59.3 6.772 1826
22	S. D. TOTAL OBS	50.0	3.940	3,671	3,795	56.1 2.616 155	3,892	3,333	2.799	3,522	4.236	55.7 6.106 150	51.4 5.201 155	56.8 7.007
ALL	S. D. TOTAL OBS	53.5 8.895 1240	54.2 7.928 1128	53.2	55.8 6.774 1199	59.0	7.387	68.2	5.949	67.7	7.511	9.570	8.467 1240	60.3 9.315 14602

# MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM MOURLY DRSERVATIONS

93107	H.	MIRAMAR, CALIFORNI	CALIFO	AIN			73-77	11						
STATION	1		5	TATION NAME						YEARS			1	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN	JUL.	AUG.	SEP.	. DCT.	NOV.	DEC.	ANNUAL
70	S. D. TOTAL 08S	\$2.2 5.116 155	5.092	45.0 4.140	3,803	51.0 2.933	3.266	3.441	3.119	2,976	\$4.5 %,290 155	\$1.77 \$1.177	64.2	50.8 7.644 1825
*	S. D. TOTAL OBS	41.2 5.352 155	43.3 5.140	44.1	3,860	50.6 3.131 155	54.6 3.261 150	59.2 3,361 155	59.5 3.216 155	3,307	5,536	5.210	43.3 6.393 155	50.1 7.956 1625
60	S. D. TOTAL OBS	5.412	5.026	45.0	48.3 3,100	32.1 2.640 155	56.1 3.274 150	60.2 3.286 155	60.2 3.398 154	2.963	4,709	5.406	42.7 6.400 155	50.7 8.223 1825
2	S. D. TOTAL OBS	4.068	3.644	3.775	52.0 3,894 150	3.694	59.9 4.200 150	3.381	64.3 3.206 155	63.0 3,226 149	3,517	3,946	\$0.5 4.570 155	55.9
2	S. D. TOTAL OBS	50.4 4.065	3.787	50.6 3.952 155	3,628 150	3,663	3.874	3.471	2.930	63.3	3,620	4.159	52.3 4.393 155	56.9
9.	S. D. TOTAL OBS	49.5 3.811	51.0 3.312 141	49.8 3.638 155	3,367	3+103	59.4 3.961 150	63.7 3.312 155	63.7	62.3	3,404	4.040	51.6 4.384 195	55.9 6.318 1826
16	S. D. TOTAL OBS	4.007	3.799	47.8 3.153	49.4 3.019 150	52.2 2.585 155	3.517	60.6 3.445 155	2.989	60.1 2,589 150	57.0 3,759	51.5 4,518 150	5.234	53.3 6.350 1826
22	S. D. TOTAL OBS	43.8	45.8	3.894	3,385	51.7 2.720 155	3,168	59.9 3.486 155	60.1 2.850 155	2,883	55.3 4.821 159	5,260	45.8 5.831 155	7.187
AII	S. D. TOTAL OBS	5,870	5,468	4.579	49.3	3.631	4.200	61.5 4.030 1239	3.687	3,394	56.7	50.4	6.542	53.2 7.601 14601

# MEANS AND STANDARD DEVIATIONS

DEM-POINT TEMPERATURES DEG F FROM HOURLY DESERVATIONS

73-77

MIRAMAR, CALIFORNIA

93107

0

0)

#### RELATIVE HUMIDITY

93107 HIRAMAR, CALIFORNIA

STATION NAME

STATION

0

4

0

4

3

0

4

Q

0

1

10

0

73-77

NA N

PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	OBS.	155	155	155	155	155	155	155	155		1240
MEAN	HUMIDITY	1.69	62,3	61.8	46.3	42.2	6.64	9.09	63.1		56.1
	%06	4.5	6.5	3.9	1:9	1:3	1,3	1.9	3.2		3.1
	80%	20,0	9.22	17,4	5,2	4.5	5,8	13,5	17.4		13,3
ATER THAN	20%	1.74	43.2	42.6	14.2	8.4	14.2	38,7	4.8.4		32.1
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	%09	63,2	0.09	58,1	27.1	19.4	30.3	0.09	65.2		47.9
Y OF RELATIVE	%05	71.6	71.0	0.69	44.5	37.4	51.0	73.5	72.3		61.3
GE FREQUENC	40%	79.1	78.1	81.9	57.4	51.6	66.5	80.0	9.08		71.8
PERCENTA	30%	4.68	91.0	6.06	0.69	1.19	80.6	86.5	87.7		82.6
	20%	1.86	97.4	97.4	86.5	81.9	89.7	92.9	96.8		95.6
	10%	100.0	100.0	100.0	100.0	100.0	100.0	4.66	100.0		6.66
HOURS	(L.S.T.)	10	40	10	10	13	16	1.9	22		SIA
MONTH		NAL									TOTALS

PRINTED BY THE STANDARD REGISTER COMPANY.

#### RELATIVE HUMIDITY

93107 MIRAMAR, CALIFORNIA

STATION NAME

STATION

0

0

0

0

0

0

0

0

0

73-77

ū.

FEB

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01 100.0 04 100.0 07 100.0	20%	2000			The state of the s				DEI ATIVE	200
	0 .0	30%	40%	\$0%	%09	70%	80%	%0%	HUMIDITY	085.
	41.9	6.26	88.7	9118	71.6	65.2	39.0	15.1	10.9	141
	97.2	94.3	86.5	78.0	68.8	63.1	45.6	13,5	1001	141
	96.5	93.6	85.1	77.3	68.1	63.1	4141	10.3	70.0	141
10 100.0	87.2	75.2	69.3	58.9	40.04	58.4	12,8	5.0	\$3.4	1+1
13 100.0	83.7	73.0	61.7	49.6	30.5	12,8	5,0	2.1	47.3	141
16 100.0	6.36	6.00	73.0	62.4	0.44	19.1	9.69	3.5	54.2	141
19 100.0	95.7	93.6	88.7	19.4	71.6	96.0	19,1	3,5	6.60	141
22 100.0	97.2	92.9	85.1	80.9	73.0	64.5	37,6	5.0	4.69	141
100.0	7.66	37.1	19.8	71.0	58.5	46.5	25,5	7.6	62.8	1128

0

0

1

#### RELATIVE HUMIDITY

93107 MIRAMAR, CALIFORNIA

STATION

0

0

0

STATION NAME

73-77

PERIOD

MAR

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DENOM	HOURS			PERCENTA	GE FREQUENC	Y OF RELATIVE	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	EATER THAN			MEAN	TOTAL
MONIE	(L.S.T.)	10%	20%	30%	40%	20%	%09	20%	80%	%06	HUMIDITY	OBS.
MAR	10	100.0	4.66	98.1	96.8	2.46	88.4	16.8	34,2	1.9	73.1	155
	•0	100.0	4.66	7.86	8.96	94.2	89.0	19.4	34.8	3.8	75.6	155
	07	100.0	98.7	1.96	94.2	91.0	85,2	72.9	36.1	11.0	74.1	155
	10	100.0	94.8	89.0	81.9	67.7	44.5	18.7	4,5	1:3	56.0	155
	13	100.0	8.46	87.1	19.4	63.9	35.5	4.1	1,9		52.8	155
	10	100.0	97.4	91.6	63.2	4.69	47.1	12.3	1.9	••	9.88	155
	19	100.0	100.0	98.7	96.1	87.7	78.1	53.5	10.3	9.	6.7.9	155
	22	100.0	100.0	1.86	96.1	34.5	87.1	70.3	32,6	5.6	72.6	155
101	TOTALS	100.0	98.1	7.46	90.06	85.8	7.69	2.64	18,3	2:7	66.3	1240

#### RELATIVE HUMIDITY

MIRAMAR, CALIFORNIA 93107 STATION NAME

STATION

0

0

0

0

73-77

HONTH

APR

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

N TOTAL		8 150	1 149	4 150	7 150	9 150	4 150	2 150	4 150	
MEAN	HUMIDITY	74.8	75.1	71.4	54.7	51.6	55.4	67.2	71.4	
	%06	2.7	1.3	6.7					.:	1
	%08	24.0	24.2	24.7	3,3		1.	6,7	14.7	
EATER THAN	70%	74.7	76.5	56.7	11,3	2.7	5.3	39.3	1.00	0.57
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	%09	92.7	0.46	83,3	35,3	18,7	30.0	82.7	406	
Y OF RELATIVE	20%	98.0	95.3	93.3	71.3	62.7	80.0	40.1	96.0	4
GE FREQUENCY	40%	98.7	98.0	95,3	88.3	83,3	88.7	93,3	98.0	1
PERCENTA	30%	68.3	99.3	98.0	0.06	95.0	94.0	7.86	98.1	. 46
	20%	6.66	100.0	100.0	94.7	0.86	98.0	89.3	99.3	
	10%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
HOURS	(L.S.T.)	to	*	20	01	13	16	16	22	
HUNCH		APR								3170

#### RELATIVE HUMIDITY

HIRAMAR, CALIFORNIA 93107

STATION

0

0

0

0

0

0

0

0

0

0

0

STATION NAME

73-77

MAY

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HUNCH	HOURS			PERCENT	AGE FREQUENC	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	HUMIDITY GR	EATER THAN			MEAN	TOTAL
WOW!	(L.S.T.)	10%	20%	30%	40%	20%	%09	20%	%08	%06	HUMIDITY	OBS.
MAY	10	100.0	10000	100.0	100,0	100.0	4.86	90.08	22.6	9.	75.8	155
	•0	100.0	100.0	100.0	10000	100.0	8.96	78.7	25,8	159	76.5	155
	10	100.0	100.0	100.0	100,0	100.0	91.0	58.1	18,7	1,9	73.2	155
	10	100.0	100.0	4.66	4.79	83,2	45.6	11.0	2,6		59.5	155
	13	100.0	100.0	100.0	92.9	19.4	29.0	7.1	9.		56.7	155
	16	100.0	100.0	4.66	1.96	89.7	44.5	0.6			59.4	155
	19	100.0	100.0	100,0	10000	96.66	89,7	92.9	3,2		70.5	155
	22	100.0	100.0	100.0	100,0	10000	1.96	74.8	16,1		74.1	155
101	TOTALS	100.0	100.0	6.66	96.3	94.0	73.6	0.94	11,2		68.2	1240

0

#### RELATIVE HUMIDITY

MIRAMAR, CALIFORNIA 93107

STATION NAME

STATION

73-77

PERIOD

MONTH 200

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

		SE TREGUENC	Y OF KELATIVE	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	ZOW.	80%	868	RELATIVE HUMIDITY	NO. OF
2 2	100.0 99.3	99,3	98.0	96.7	80.0	33,3	0.0	76.8	150
	100.0 99.3	98.0	97.3	96.0	84.0	37,3	6.7	77.7	150
0	100.0 98.7	98.0	95.3	89,3	1.99	22.7	4:0	73.5	150
-	98.0 94.7	7.06	90.0	35,3	8,7	2,0		9096	150
0	49.3 94.7	92.0	72.0	22.0	1,3			53.8	150
4.00	99,3 98.7	92.7	86.0	45,3	0.4	1,3		58.0	150
100	99.3 98.7	1.96	92.7	87,3	1.44	4.0		4.80	150
	100.0 99.3	98.0	7.96	95.3	76.0	26,0	2:7	75.1	150
1									
	99.5 97.9	95.7	89.8	70.9	45.9	15,8	2.2	67.5	1200

NAVWEASERVCOM

#### RELATIVE HUMIDITY

MIRAMAR, CALIFORNIA 93107

STATION NAME

STATION

0

0

0

40

0

0

0

0

0

0

0

1

0

0

0 40

73-77

PERIOD

3

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20% 30% 40%	-	INTAGE FR	AGE FREQUENCY O	2	F RELATIVE 50%	HUMIDITY GRE	ATER THAN	80%	%06	RELATIVE HUMIDITY	NO. OF OBS.
	100.01	2	100.0	100.0	90.66	98.7	83.9	4542	3.9	78.6	155
	100.0 10	9	100.0	100.0	100.0	7.86	1.78	51,6	8.0	80.0	155
	100.0 10	10	100.0	4.66	1.86	98,1	71.0	38,7	4.5	76.7	155
	100.0	6	1.86	96.1	83.2	41,9	20.0	3,2	••	59.7	155
	100.00	0	4.10	93.5	74.0	30.5	9.1	1,9	9.	55.7	154
	98.7 98	6	1.86	96.1	85.8	43.9	14.2	1,3	••	59,1	155
	100.00	66	4.66	4.66	96.1	89.0	1.64	18,7		7.07	155
0.001 0.00	100.0 100	100	0	4.66	4.66	98,1	19.4	34.2	3.2	76.7	155
								4			
9.8 99.2		66		98.0	92.0	74.0	42.0	24.4	2.8	40.7	1930

#### RELATIVE HUMIDITY

93107 MIRAMAR, CALIFORNIA

STATION NAME

STATION

0

0

0

73-77

PERIOD

•

AUG HONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	OBS.	155	155	154	155	155	155	155	155	1239
MEAN	HUMIDITY	9.66	80.2	78.0	59.5	56.4	60.1	73.4	78.1	70.7
	%06	6.5	4.8	5.6						2.3
	80%	5043	1.64	44.2			9.	19.4	66,5	26,3
ATER THAN	70%	85.8	88.4	77.3	11,0	3.5	6.7	61,3	83.2	\$2.5
HUMIDITY GRE	%09	9.66	4.66	4.66	44.5	27,7	66.5	96.8	100•0	76.7
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	20%	100.0	100.0	100.0	86.5	80.6	91.0	4.66	100.0	94.7
GE FREQUENCY	40%	100,0	100,0	100,0	4.66	97.4	4.66	100.0	100,0	6.66
PERCENTA	30%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	20%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0
	%01	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
HOURS	(LS.T.)	10	*0	10	10	13	16	19	2	ALS
THOM	E NOW	AUG								TOTALS

#### RELATIVE HUMIDITY

MIRAMAR, CALIFORNIA 93107

STATION

73-77

MONTH SEP

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTA	GE FREQUENCY	Y OF RELATIVE	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	ATER THAN			MEAN	TOTAL
MONIH	(1.5.1.)	10%	20%	30%	40%	20%	%09	20%	%08	%06	HUMIDITY	OBS.
SEP	Ťo	100.0	100.0	97.3	1.96	0.96	92.0	72.7	51,3	1:5	76,5	150
	*	100.0	99.3	97.3	96.0	94.7	91,3	74.0	53,3	7.3	17,3	150
	10	100.0	98.0	0.06	95.3	94.0	88,7	72.0	0494	7:3	78.7	150
	2	100.0	0.96	7.46	90.0	79.3	48.0	24.7	8.0	1,3	59.3	150
	13	100.0	9.96	93.3	89.3	75.2	6004	15.4	4.0		56.7	149
	91	100.0	97.3	94.7	92.0	79.3	59,3	24.0	4.7	1.	60.3	150
	6.	100.0	99.3	96.0	95,3	94.0	88.7	67.3	36.7	5.0	73.0	150
	22	100.0	99.3	97.3	96.0	95.3	92.0	71.3	47,3	3.3	75.3	150
5	TOTALS	100.0	98.2	95.8	93.8	88.5	74.5	52.7	31,4	3.3	69.3	1199

O

### RELATIVE HUMIDITY

93107 HIRAMAR, CALIFORNIA

STATION

73-77

PERIOD

DCT WONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	088.	155	158	155	155	155	1.55	155	158		1240
MEAN	HUMIDITY	73.2	72.8	10.9	53.0	50.0	57.5	69.5	72.0		0.50
	%06	11.0	0.6	13.5				1:0	6,5		5.5
	%08	0404	4500	35,5	4,5	1,9	1,9	23.2	36,8		23,3
ATER THAN	20%	68.4	70.3	60.99	14.2	1.6	13.5	57.4	67.1		45.9
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	%09	82.6	82.6	81.9	40.0	33,5	52.9	83.9	83.2		67,7
OF RELATIVE	\$0%	87.1	83.9	83,2	0.69	62.6	80.0	87.1	87.7		80.1
SE FREQUENCY	40%	7.68	4.88	85.2	19.4	77.4	84.5	8006	7.68		85.6
PERCENTA	30%	63.5	92.9	89.7	83.9	83.9	1.68	94.6	94.2		80.3
	20%	98.1	8.96	97.4	7.18	89.0	95.5	98,1	98.1		95.1
	10%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
HOURS	(LS.T.)	10	*0	10	91	13	9.	19	22		TOTALS
	MONTH	100									101

0.5

#### RELATIVE HUMIDITY

93107 MIRAMAR, C

STATION

0

0

0

0

MIRAMAR, CALIFORNIA

STATION NAME

73-77

1

100

NO.

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MEAN TOTAL RELATIVE NO. OF HUMIDITY OBS.		65.1 150	63.3 150	62.1 150	44.6 149	45.4 150	50.1 150	63.6 150	64.4 150	
* u	лн %06 НП	4.7	4:7 6	6.0 6	*	.1	.7 50	1.3 6.1	2.7 6	
	80%	28.0	7.97	26.7	0.4	2.0	2.0	18.7	26,0	
ATER THAN	20%	98.0	52.7	1.87	8.7	0.4	1.8	52.0	55,3	
HUMIDITY GRE	%09	65.3	63.3	0.09	29.5	16.0	0.04	1.99	70.0	
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	20%	72.7	69.3	67.3	47.0	40.7	58.7	74.0	72.7	
	40%	80.0	77.3	75.3	59.7	59,3	68.0	82.7	78.7	
	30%	1.08	85.3	82.0	65.1	0.89	80.0	0.06	85,3	
	20%	7.86	96.7	0.96	19.9	80.0	88.7	99,3	97,3	
	10%	100.0	100.0	100.0	100.0	99.3	100.0	100.0	100.0	
HOURS	(L.S.T.)	10	*0	20	10	13	16	19	22	
МОМТН		NON								

OF

### RELATIVE HUMIDITY

MIRAMAR, CALIFORNIA 93107 STATION NAME

STATION

0

0

Q.

0

0

0

0

(3)

0

0

0

0

00

73-77

DEC

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL		159	155	155	155	155	155	155	159			
MEAN	HUMIDITY	6.99	65.2	63.5	47.1	43.2	53.5	65.0	9.99			
	%06	14.2	11,0	0.6	5.6	.•.	5.6	4:1	8.4			
	80%	32,3	32,9	0.62	10,3	2,6	7,7	26,5	29.0			
ATER THAN	20%	6.58	47.1	45.5	21.9	11.0	22.6	0.64	56,1			
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	%09	2.69	9009	55.5	34.8	25,2	41.9	64.5	62,6			
OF RELATIVE	20%	72.9	1.69	69.7	43.2	40.0	58.1	72.3	75.5			
GE FREQUENCY	40%	69.9	82.6	77.4	55.9	51.6	0.69	81.9	84,5			
PERCENTA	30%	2.46	2.46	91:0	4.89	63.69	84.5	93.5	8.46			
	20%	1.86	4.76	98.7	83.9	81.9	84.8	97.4	96.1			
	10%	10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0			
HOURS	(L.S.T.)	to	40	10	01	13	16	61	22			
HINON		DEC										

ofo

RELATIVE HUMIDITY

93107

STATION

0

0

0

0

0

MIRAMAR, CALIFORNIA

STATION NAME

73-77

MONTH ALL

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTA	GE FREQUENC	Y OF RELATIVE	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	EATER THAN			MEAN	TOTAL
MONIH	(LS.T.)	10%	20%	30%	40%	%05	%09	70%	80%	%06	HUMIDITY	065.
JAN	ALL	6.66	95.6	82.8	71.8	6103	47.9	32.1	13,3	3.1	56.1	1240
8		100.0	93.7	87.1	79.8	71.0	58.5	46.5	55.5	7.6	62.8	1128
MAR		100.0	98.1	7.96	90.06	82.8	4.69	49.2	18,3	2.7	66.3	1240
APR		100.0	98.6	6,36	95.6	85.9	6.59	6.04	12,3	1:4	65.2	1199
MAY		100.0	100.0	6.66	98.3	0.46	73,6	46.0	11,2	9.	68,2	1240
25		6.66	8.66	6.16	7.56	89.8	4.07	45.9	15.8	2.2	67.5	1200
105		100.0	9.66	99.2	98.0	92.0	74.9	52.0	24.4	2.8	69.7	1239
AUG		100.0	100.0	100.0	66.8	94.7	76.7	52.5	26,3	2.3	70.7	1239
SEP		100.0	2.86	95.8	93.8	88.5	74.5	52.7	31,4	3.3	64.3	1199
130		100.0	95.1	600.3	85.6	80.1	67,7	45.9	23,3	5.5	0.50	1240
NOV		6.66	911.6	30.3	72.6	62.8	51.4	36.0	16,8	5.6	57.0	1199
DEC		100.0	93.6	92.6	73.0	62.7	51.0	38.2	21,3	7.3	58.9	1240
7	TOTALS	100.0	7.96	95.5	87.6	80.5	65.2	6.44	20.0	3.4	4.1	14603

0

0

0

0

JAN

73-77

YUMAS ARTZONA NAVWEASERVCOM 23199

TEMPERATURE	
AIR	
O T	
E FREQUENCY OF AIR T	27
PERCENTAGE	

ALL 2000000 SANDARY % OF TOTAL FREG. JAN 1973 - BEC 1917 > × × × W S W 001/201 WIND DIRECTION SSW 8 SW WIND DIRECTION N- 4 D N 4 D -SSE & S ESE & SE 100.00 100.00 100.00 100.00 ENE B E MIRAMAR, CALIFORNIA NN % ≥ z z z • 97 TO 101 112 10 116 42 TO 46 57 TO 61 52 70 56 17 10 21 117 70 121 111 07 701 102 10 106 92 10 96 87 10 91 72 10 76 67 10 71 47 TO 51 37 10 41 32 10 36 27 10 31 22 10 26 82 TO 86 62 10 66 12 TO 16 77 10 81 7 10 11 2 70 6 122+ 93107

0

0

NAVWEASERVCOM

\*

1240 100,0

15:1

6174

.

..

4.6

0001

6.12

6.0

2.6

-18 TO-14

-13 10 -9

-3 10 1 -8 10-4 -23 10-19 -28 10-24 -33 10-29 -38 10-34

-43 10-39 -48 TO -44 -53 TO -49

-58 10-54

-59 & LV/R

TOTALS

E FREQUENCY OF AIR TEMPERATURE	
₹	
Ы	
FREQUENCY	27.
ERCENTAGE	
О.	

WIND DIRECTION JAN 1973 - DEC 1977 MIRAMAR, CALIFORNIA

93107 STATION

ALL

FEBRUARY

					WIND DIRECTION	CLION					
TEMP.	NN N	NNE 8 NE	ENE 8 E	ESE & SE	SSE & S	SSW 8 SW	%	3 × ×	CALM	TOTAL FREG.	% OF TOTAL
122+											
17 10 121											
112 TO 116											
111 07 701											
102 TO 106											
101 01 76											
92 10 96											
87 TO 91						000				•	
82 TO 86		33.3					33.3			0.4	
18 01 77			10.0		10.0	0.01					
72 TO 76	9.1				6.5	4.3	30.4	2010	716	72	
17 07 79	17.0				201	3.0	79.5				
62 TO 66	15.0				0.0	0.0	0.01	0135			o in
19 01 75	1501				9	0:	6.01	1 7 9		317	
52 TO 56	14.9	6.0	13.0	0	7007	•	6 . 6	613		675	
47 TO 51	216	617	30.0	6 4 4	6.6		200	- (1	7161	613	
42 TO 46	3.5	704	52.4	24.5	200	10.1		CIC		-	
37 TO 41	3.0	3.0	64.3	4117					7.6	ā2	2.3
32 TO 36											
27 TO 31											
22 TO 26											
17 10 21											
12 TO 16											
7 TO 11											
2 70 6											
-3 TO 1											
-8 10-4											
-13 TO -9											
-18 TO-14											
-23 10-19											
-28 10-24											
-33 TO-29											
-38 TO-34											
-43 TO-39											
-48 TO -44											
-53 TO-49										-	
-58 10-54											
-59 & LWR	-				1	*		1	- 1		100
TOTALS	0 . 7 7	3		0				1	214		2004

0

0

0

1.1	
=	
Œ	
$\supset$	
-	
4	
~	
-	
<u> </u>	
<u>u</u>	
Σ	
ш	
-	
•	
Œ	
=	
ď	
lı.	
$\overline{}$	
U	
>	
()	
9	4
SNC	3/
ENC	37
DENC	3/
QUENC	3/
EQUENC	3/
REQUENC	3/1
FREQUENC	3/1
FREQUENC	3/1
E FREQUENCY OF AIR TEMPERATURE	3/1
GE FREQUENC	3/1
AGE FREQUENC	3/
TAGE FREQUENC	3/
VIAGE FREQUENC	3/
VTAGE	3/1
VTAGE	3/1
PERCENTAGE FREQUENC	3/1

JAN 1973 - DEC 1917

MIRAMAR, CALIFORNIA

93107 STATION

NNN Z

> TEMP. 122+

MARCH

% OF TOTAL

FRED.

CALM

ALL

1						
	WNW	& NW				
	wsw	× ×				
NOLLON	SSW	& 5W				
WIND DIRECTION	SSE	8.5				
	£5.E	& SE				
	ENE	3 8				
	NNE	& NE				
t		-	_	-		-

97 TO 101

92 10 96 87 10 91 82 TO 86

23.0

62 TO 66

57 TO 61

77 TO 81

52 TO 56

47 TO 51 42 TO 46 37 TO 41

\$ 5.22 \$ 5.22 \$ 5.22 \$ 5.22 200

17:4 3 . 3

27 TO 31

22 10 26

32 10 36

12.0

46 14 9 4

70100

100 PM

1540 100.0

216

2103

14.7

6.0

0.6

3 . 8

13.5

3.3

10.0

-59 & LWR TOTALS

-38 TO-34

-43 TO -39 -48 TO-44 -53 TO -49 -58 TO -54

-18 TO-14 -23 10-19 -28 10-24 -33 TO-29

-13 70 -9

-8 10-4

-3 TO 1

5	
R TEMPERATI	
ER	
Ā	
TE	
AIR	
9	
Ç	
EN	>
QUEN	>
REQUEN	>
FREQUENCY OF AIR 1	>
GE FREQUEN	>
ITAGE FREQUEN	>
SENTAGE FREQUEN	>
RCENTAGE FREQUEN	>
PERCENTAGE FREQUEN	>

MIRAMAR, CALIFORNIA

APRIL

ALL

% OF TOTAL

OTAL

1314	
DEC	YEARS
1973 -	
NAL	

ø		
YEAR		20
	FOLUTION	DI KEC IO
	2	2

1				
CALM				
WNW WN &				
wsw w %				
SSW & SW				
SSE & S				
ESE & SE				

	wsw	8 %					
N. WEGINGIA	SSW	& SW					
2	SSE	8.5					

١							1		
	SSW	AS SW				7		15.7	
	SSE	8.5	+				1.0	3.1	,
	ESE	& SE				3.0	100		
						9.6		•	

	10.	10.	07	07	97		-		
		7.		15.1		2.0	2:0	1.3	-
			9.1	3.1	4.6	11.1	1001	200	-
		3.0	001		•	7 . 5	1017	0.04	
1					1				1

1003

21.9

		i		1	1	1 1		
7 .		•		1172	0.04	33.3		
-	•	1.	0.0	5 . 67	33.4	100		
0	1.07	•	207	603				
		1	1	1	1	1	8 1	

202

		7	-	ŏ		
	207	603	507			
1103	13.0	6.5	3.1			

4	201							
4.0	3 . 1							
15	46	41	36	31	26	21	16	
0	0	9	0	0	22 10 26	17 10 21	12 TO 16	
47 TO 51	42 TO 46	37 TO 41	32 TO 36	27 TO 31	22	17	12	,

27 TO 31	22 TO 26	17 10 21	12 TO 16	7 10 11	2 70 6	-3 10 1	

12 TO 16	7 10 11	2 70 6	-3 TO 1	-8 10-4	-13 TO -9

2 70 6	-3 10 1	-8 10-4	-13 TO -9	-18 TO-14	-23 10-19	

		100					
0-4	6-01	TO-14	10-19	10-24	10-29	10-34	TO-39

ı		N. C. T.		W. 14		-		_
				7				
	8 TO-14	3 10-19	8 TO-24	3 TO-29	8 10-34	3 TO - 39	8 10-44	00 000

8 10-14	3 TO-19	8 TO-24	3 TO - 29	8 10-34	3 TO - 39	8 TO-44	3 TO - 49
8 10	3 10	8 10	3 10	8 10	3 10	18 10	3 10

1199 100.0

13:1

6113

10.0

9.0

N N N

NN N

TEMP. 122+

93107







102 TO 106

101 07 76

16 01 78

82 TO 86 77 10 81 72 10 76

92 10 96

112 TO 116

111 07 701

117 10 121







52 TO 56

62 TO 66

57 70 61

67 TO 71

u	
~	
=	
~	
5	
2	
u.	
ш	
O.	
Σ	
ш	
-	
~	
<u>u</u>	
4	
u_	
O	
-	
~	
¥	U
٤.,	>
<u></u>	
2	
S	
W	
Œ	
IT.	
1.1	
3	
9	
•	
E	
LN	
ENT	
CENT	
RCENT	
PERCENTAGE FREQUENCY OF AIR TEMPERATURE	

MAY

, ,	
**	YEARS
2	

MIRAMAR, CALIFORNIA

93107 STATION

ı			
١			
ı			
ı			
ı			
ı			
ı			
ŀ			
ı			
ı			
ı			
ı			
ı			
ŀ			
ı			
ı			
ı			
ı			
l			
ı	10		
F	a		
ı	4		
١	ш		
l	>		
ı			
ľ			
ı			
١			
ı			
ı			
ŀ			
ı			
ı			
ı			
١			ı
ı			ì
			ł
			Į
ı			j
ı			
ŀ			į
ı			í
ı			
ı			
ı			
ı			
ĺ			
ı			
ı			
١			
ı			
ľ			
ı			
Į			
ı			
r			

					WIND DIRECTION	CTION					
TEMP.	N N N	NNE NE NE	ENE S E	ESE & SE	SSE	SSW & SW	wsw 8 w	WNW WN W	CALM	TOTAL FREG.	% OF TOTAL
122+											
121 01 711											
112 TO 116											
107 70111											
102 10 106											
101 OT 76											
92 10 96											
16 01 78							20.0	OZOC		2	
82 10 86							100.0			•	•
18 01 77	***					1101	11.1			6	•
72 TO 76	8.0					1000	24.0		8.0	52	
17 07 79	6.3	1.3			0	8.0	39.2			2	
62 TO 66	0.4				2.5	10.0	33.5	6119	3.0	613	-
57 70 61	13,3	101	1.	2.0	8.7	7.41	51.6			01	
52 70 56	10.5				19.6	10.3	19.0			100	
47 TO 51			30.0		10.0	2.0	1.5			90	3.6
42 TO 46			0000	4000						0.	**
37 TO 41											
32 10 36											
27 TO 31											
22 TO 26											
17 10 21											
12 TO 16											
7 10 11											
2 70 6											
-3 TO 1											
-8 70-4											
-13 10 -9											
-18 10-14											
-23 10-19											
-28 10-24											
-33 10-29											
-38 TO-34											
-43 TO-39											
-48 10-44											
-53 TO-49											
-58 TO-54											
-59 & LWR							-		1		
TOTALS	10.2	1	200	3.0	1101	16.3	***	0103	0	1440	1640 1000

្ឋ

PERCENTAGE FREQUENCY OF AIR TEMPERATURE	
AIR	
OF	
FREQUENCY	7
PERCENTAGE	

MIRAMAR, CALIFORNIA

93107

WIND DIRECTION
JAN 1973 - DEC 1977

ALL

1

	EARS	
-	*	
-		
1		
1		

-		
1	EARS	
1	,	
-		
1		

	YEARS	
1		

0	101 0021 011 012 201 010 010 010 010 010	1					WIND DIRECTION	ECTION					
	25.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0		3 Z	N N N	8 es	ESE & SE	SS &	SSW SW	× × ×	WNW &	CALM	TOTAL FREG.	% OF TOTAL
\$ 600	101 0021 041 442 241 2 601	1											
12.3	101 0021 041 442 241 449 442 441 441 441 441 441 441 441 441 441	12											
1	13.6 13.6	91											
	13.6 25.0	-											
The state of the s	100 1 0021 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1												
2	0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1	10						1000				•	•
1	13.3 13.3 10.1	9						25.0		2010	25.0	3	
	25. 25. 25. 25. 25. 25. 25. 25. 25. 25.	-	13.3					0.1	0.02	0000		13	
2001	10:1 1:0 2 2:0 20:1 1:0 1:0 1:0 1:0 1:0 1:0 1:0 1:0 1:0	9	31.0						13.0	616	cie	22	9
10.01 1.00 2.00 2.00 2.00 1.00 1.00 1.00	10.1 1.0 1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	-	6.22					3.6	9.22	677	1.0	-	9.5
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11 0021 0021 0021 002	9	1001				1.8	12.0	8 . 92	2013	210	101	100
	01 0021 041 442 2401 400 402 441 441 441 441 441 441 441 441 441 44	-	17.9			00	1.1		21.0	0110	6.1	-	
		1 0	1861						102	2113	107	663	
	1956 260 500 500 1001 1677 1618 6111 100 100 100 100 100 100 100 100 10	-	1.42						12.0	0.0	8 2 2 2	133	30.3
		9	19.0						10.0	9177	1117	101	-
		-			20.0	-						9.	9.
		=											
		9											
		-											
		9											
		-											
	19.5 14.7 1.0												
	19.5 14.7 1.8 20.4 8.5 18.2 29.0	9											
	19.5 14.7 1.8 2.9 19.0	11											
	19.5 14.7 1.8 204 8.9 18.2 6919	6											
	19.5 14.7 1.8 204 809 18.2 6919 17:0	-24											
	19.5 14.7 1.8 20.4 60.4 8.5 18.2 52.9 17.0	.29											
	19.5 14.7 1.8 2.4 6.4 8.5 18.2 52.9 17.0	-34											
	19.5 19.7 1.8 2.4 5.4 5.9 18.2 5.29 17.0	-39											
	19.3 197 1.8 2.4 6.4 8.9 18.2 5219 17.0	-44											
4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4	19.5 19.7 1.8 2.4 6.4 8.5 18.2 4919 17.0	64-											
19.4 1.4 2.4 4.4 18.9 19.0	19.5 197 1.8 204 6.4 8.5 18.2 49.9 17.0	-54											
	200 200 200 200 200 200 200 200 200 200	100						*			- 1	200	-

20.00

2000

20:3

6.001 6.001 6.002 6.002 7.002

2000

2000

2,22

6.87

62 TO 66

0

52 10 56

19 01 75

17 07 78

42 TO 46

47 70 51

O

0

37 TO 41 32 10 36 27 70 31 22 10 26 17 10 21 12 TO 16 11 01 7

11.6

82 TO 86

0

16 01 78

7 . 22

1	۰	-	۹	۰
3	۰	-	H	۰
		٠,		

1240 100,0

0663

0103

17,03

10.3

3.2

1 6 3

1.0

207

17.1

-58 TO-54 -59 & LWR TOTALS

-28 10-24

0

-23 10-19

-13 10 -9 -18 10-14

0

-8 10-4

-3 70 1

2 10 6

-38 10-34

-43 10-39 -48 TO-44 -53 TO-49

-33 10-29

NAVWEASERVCOM

2	
5	
-	
2	
W	
Ŧ	
Ĭ	
۲	
Œ	
¥	
4	
0	
>	
ರ	4
Ü	7
2	
B	
œ	
IT	
M	
A	
F	
Z	
PERCENTAGE FREQUENCY OF AIR TEMPERATURE	
œ	
Ä	
-	

WIND DIRECTION

MIRAMAR, CALIFORNIA

93107

YEARS 24N 1973

2	
2	
5	
	-
	- 1
	- 1
	- 1
	1
	- 1
	- 1
	-
	- 1
	- 1

æ		
DOH		
		į
		j

HOUR S	10	
9	Dr	
9	5	
· [	0	
1	I	
		-
1		- 1
1		- 1
		- 1

in		
SAU		
5		
ñ		
OH		
		r
		1
		1
		1
		1
		1
		1
		í

2.	
500	
HOC	

7				
_				
۲.				
W)				
-				
S				
œ				
5				
õ				

**	•			
		7.8	ok.	



39	N	A		, 5	"	C
	7.5	ON.	. 4		1	10



T Sanon		
ī	90	AL.
	%	TOTAL

U)	
-	
-	
W)	
D	
-	
2	
000	
~	
T	
	- 1
	- 1
	- 4

N)		
2		
0		
T		

	-	
- 3	100	
	0.1	
-		
-		
- 10	10	
	07	
41.0	az.	
	2	

SHOOM	
T	

	,		
- 1			
	•		
	in		
•	0,1		
-			
-			
•	-		
-			
6.2	L W		
	l or		
	-		
	- 2		
	0		

	+	
_	U)	
-		
٠.	1	
4	~	
13	w	
	a	
	2	
	ī	

	-		
- 1	-		
	U)		
80			
9	_		
	-		
10	100		
65	a		
	æ		
- 1	2		
	0		
	-		

3	-		
ш			
И	-		
- 1			
2	U)		
ы			
2			
•			
	-		
2	I.D		
	œ		
- 1	-		
- 1	2		
	0		
	T		
-1	4		

- 1	1		
_	W.	1	
-60			
-			
100			
83	u.		
	a		
	2		
	0		
	7		

24			
М	-		
G,	0,		
	-1		
ы	-		
ĕ,	U)		
В	æ		
	5		
	0		
H	I		
	1.		

	۲.	
	U)	
5	i	
	w	
7	æ	
	0 1	
	I	

100	u anon		

į	۲.	
200	HOURS	
1		

		-
		10
	_	1 .
	-	1
	-	-
	4	In.
	-	a
		)
		0
		12

	13
-	1.
-	1
3	-
	200
	0

l o		1	5
. '		1	O
_		1	

	1	
_	-	
-		
-		
7		
	I	
	1	
	1 2	
	10	
	13	

2	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	

		1	
		,	
		1	
		1	
-	2	1	
1	-	1	

,	
- 1	
- 1	
,	
- 1	
- 1	
1	
-	
_	
2	

	1	
	1	
	1	
	1	
	1	
	1	
-	1	
-		

1		
1		
1		
l		
1		

1	
1	
•	
1	
1	
1	
1	
1	
1	

CALM

× × × ×

W S W

SSW & SW

SSE & S

ESE & SE

ENE ENE

NNE NE

≥ Z Z S

TEMP. 122+ 112 TO 116

0

117 10 121

0

1	
1	

1	
1	
1	
1	

1	
1	
1	
1	
1	

1	
1	
1	
1	
1	
1	

1	N	
1		
1		
1		
1		
١		

NO	
N	

	1	-	
	1	NON	
	١	2	
	1		
	1		
	1		
	1		
	- 1		

1	
I	
N.	

1	11.		

O	
1	
-1	
1	
1	
1	

HOUR	
1	
*	
-1	
1_	

-		
٠.		
-		
,		
-		
	,	
	I	
	5	
	2	
	0	
	2	
	-	

•		
	HENO	
	2	

I	
2	
0	
14	
1	
1	
1	
1	
1	

MONTH	
-	
1	

2	
1	
1	
1	
1	
1	
1	
1	
1	

15	
1	
1	
1	
1	
1	
1	
1	

1	
1	
1	
1	









	1	
	١	
	1	
	١	
-	. 1	
	4	
-	-1	

ł		
ı		
ı		
ı		
1		
1		
1		

- 1		
- 1		
- 1		
ſ		
- 1		
- 1		
- 1		
- 1		
- 5		
- 1		
- 1		
- 1		

	-	
- 1		

١	5	
1		
1		
1		
,		
1		
١		
J		

1	
1	
1	
1	
1	
1	

0		
-		

-	
-	
-	
- 1	
-	
-	

- 4	
-	
_	
10.0	
-01	
-	

-	
-	
3.0	
-01	
3	































WIND DIRECTION











URE	
EMPERAT	
AIR	
OF	
FREQUENCY	.87
PERCENTAGE FREQUENCY OF AIR TEMPERATURE	
_	

AUGUST

ALL

Lin	
-	
DEC	FARS
1973	
247	

MIRAMAR, CALIFORNIA

93107

וט	
FAR	
	2
	1
	NIDECTION
	9
	4
	5

San San San San San San San San San San	The second secon				-			-			
TEMP.	NNN N	NNE NE		£5£	55E & 5	\$ 5W	wsw 8 w	www www	CALM	TOTAL FREG.	% O %
122+											
12101711											
112 TO 116											
111 07 701											
102 TO 106											
101 01 76											
92 10 96								1001		•	
16 07 78	20.0					55.0				***	
82 TO 86	1413				200					77	
77 70 81	10.2			-		1001	2	0106	10		
72 70 76	500				9.0	000				603	
67 10 71	0 . 42		•	1.3	0.6	0.0				202	(7
42 70 66	38.1		1.04	100	0 60	2.0					
19 01 25	38.3	61	3.0	300	5.3			4012	5000	133	2
52 TO 56	7297			100			1.6		116	11	
12 07 74											
42 TO 46											
37 10 41											
32 10 36											
27 TO 31											
22 10 26											
17 10 21											
12 TO 16											
7 10 11											
2 70 6											
-3 TO 1											
-8 TO-4											
-13 TO -9											
-18 TO-14											
-23 TO-19											
-28 10-24											
-33 TO-29											
-38 TO-34											
-43 TO-39											
-48 10-44											
-53 10-49											
-58 TO -54											
-59 & LWR	1					9.6	***	1007	16.7	1839	100
TOTALS	3 . 0 3							- 1	- 1	1	

14.3

14.3

14.3

21,4

10.51010

2000

000000

N 0 1 8 9 0

20.03

M 4 1 1 M 1 O 4

-----

21,8

72 TO 76

18 01 77

0

17 07 79 62 TO 66 57 TO 61 52 TO 56 47 TO 51 42 TO 46

29,5

## PERCENTAGE FREQUENCY OF AIR TEMPERATURE

WIND DIRECTION

MIRAMAR, CALIFORNIA

93107 STATION

JAN 1973 - DEC

SEPTEMBER

•	•	٠	
ė	-	•	
	7	,	

MIND 55E

ESE & SE

ENE ENE

NNE NE

N N

TEMP.

112 70 116

111 07 701

0

0

17 10 121

122+

102 TO 106 101 01 76 95 10 96 16 01 78 82 TO 86

-
z

EARS		

446	
W)	
YEARS	
-	
4	
4.1	
>-	

	1
	_
	1
	1
	-
	1
	1
	1
	1
	1
	1
	1
	1
	1
	-
_	1
Z	
0	1
-	
_	
O	1
RECTIO	
œ	1
=	1
0	1
	1

20.00	
www	WN &
wsw	8 W
wss	& SW

% OF TOTAL

TOTAL FREQ.

4	4
t	
3	-

A			

		ı	
		i	
		ı	
		١	
		I	
		1	
		١	
		ı	
		ı	
		Į	
		١	
		1	
		1	
		ı	
		ı	
		ł	۰
		I	
		Į	
		ı	
		ı	
		ı	
		1	
		ł	
		1	
		ı	

u		
57		
u)		
ARS		

U)			
٩			

ar a		
4		

w		
α		
4		

-	
- 5	
*	
	40



	1
To the said	100
	97
_	1
	-
	100
- 81	10
-	or
	-
	20
	0
	I

	7.
3	1
4	U)
	a
	-

	1
	1.
	1
	U)
-	1:
	1
-	100
	07
	a
	407

	3
	U)
-	1 :
	-
- 40	- NJ
	a
	2
	0

	.1.
1	5.7
d	SWO

	1
	5
	vi
٠,	13
-	-
-	a
	13









1199 100.0

1571

9163

13.1

0.1

3.7

3.3

3.3

4.3

6.63

-59 & LWR

TOTALS

-28 10-24

1

-33 10-29 -38 10-34 -48 10-44 -53 TO-49 -58 TO-54

-43 TO -39

-18 TO-14

-13 70 -9

0

0

-8 10-4

-3 10 1

-23 70-19

22 TO 26

17 TO 21

0

12 TO 16

27 TO 31

0

0

TEMPERATURE	
OF AIR	
NCY 0	
FREQUENCY	
ERCENTAGE	
PERCE	

ALL

DCTOBER

JAN 1973 - DEC

	ďa		
-	427		

			-	1	-		-	-			
TEMP.	N Z	N N N	EN W	ESE & SE	SSE & S	\$5W	wsw &	www.	CALM	TOTAL FREG.	% OF TOTAL
122+											
117 10 121											
112 TO 116											
107 70111											
102 TO 106											
101 01 76											
92 10 96									100.0	1	•
87 TO 91	20.0					10.0	15.0	4310	200	02	1.6
82 10 86	21.07		6.6		4.3	4.3	13.0	27.2	8 .	67	
77 70 81	3203					6.3	1000	4510	5.5	9	3.6
72 10 76	2002		2.0		2.0	3.0	15.1	***	157	*	
17 07 79	21.0		3.6		1.9	6.5	12.0	01:5	206	200	
62 10 66	65.5		1.3	3.3	6.0	3.0	10.8	9567	8 02	00.	6.28
57 70 61	19.8		13.7		116	*	9.	214	2113	267	
52 70 56	1 00	3.3	45.0	-	100	•		116	1790	161	
47 TO 51	3.8	300	10.9	101						02	
42 TO 46			100.0							-	•
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 10 21											
12 TO 16											
7 70 11											
2 70 6											
-3 70 1											
-8 10-4											
-13 TO -9											
-18 10-14											
-23 TO-19											
-28 TO -24											
-33 TO -29											
-38 10-34											
-43 10-39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR			*	*					- 1	404	***
TOTALS	400				2						

NAVWEASERVCOM

93107 STATION

MIRAMAK, CALIFORNIA

D

## PERCENTAGE FREQUENCY OF AIR TEMPERATURE

1
DEC
JAN 1973 - DEC
245

MIRAMAR, CALIFORNIA

93107

O

0

0

0

0

0

0

0

ALL

NOVEMBER

					WIND DIRECTION	NOLLO					
TEMP.	3 Z Z Z	Z Z Z	ENE 8 E	65E & SE	SSE	\$ 5W	wsw & w	WNW 8	CALM	TOTAL FREG.	% OF TOTAL
122+											
17 10 121											
112 10 116											
111 07 701											
102 TO 106									100.0		
97 TO 101					1	1		1	26007		
95 10 96			.00	4			2300				-
87 70 91				0 607		1	0000		-	2	1
82 10 86	33,3		7.5		6.4.		200		1	17	
18 01 77	23,3			203		11.0	11.0		-		
72 10 76	23.7	8.0	1.1		10.2	0	13,3			46	
17 07 79	16.0		12.8	7 . 2	3.2		12.8	6116		56	00.
62 70 66	17.4	3.7	10.2		2.6	5.5	17.9	9119		0	
19 01 25	14.6		1.1	10.5	75.21	0.0	1.0			182	
52 10 56	9.1	201	54.5		1.6	4.5	7,2			697	
12 07 74	3.1	10.6		16.9	11.9		**		-	001	
42 TO 46	3.8	5.7	58.5		5.7			2:0	Cil	33	
37 10 41			76.9	15.4						13	7 . 7
32 10 36											
27 TO 31											
22 70 26											
17 10 21											
12 70 16											
7 10 11											
2 70 6											
-3 70 1											
-8 10-4											
-13 TO -9											
41-0181-											
-23 TO-19											
-28 TO -24											
-33 10-29											
-38 TO-34											
-43 TO -39											
-48 10-44											
-53 10-49											
-58 TO -54											
-59 & LWR						*	1		-		1
TOTALS	120	0	617	7 607	0	•		7	2027		00001 2441

RE	
5	
RA	
1PE	
Ē	
AIR	
P	
C	
Z	>
=	
EQUI	
FREQUI	
GE FREQUI	
NTAGE FREQUI	
CENTAGE FREQUENCY OF AIR TEMPERATURE	
PERCENTAGE FREQUI	
PERCENTAGE FREQUI	

	CECENBER	MONTH
WIND DIRECTION	JAN 1973 - DEC 1977	YEARS
O QNIM		STATION NAME

93107 STATION

0

0

ALL

					WIND DIRECTION	CTION					
TEMP.	3 Z 8	S NE	S ENE	ESE & SE	SSE S S	SSW 8 SW	% % %	> > ×	CALM	FREG.	% OF TOTAL
122+											
117 10 121											
112 70 116											
111 OT 701											
102 TO 106											
97 70 101											
92 10 96											
16 01 78											
82 TO 86		1000								-0"	
18 07 77	9.1	16					30.4	2010	1 6	11	
72 TO 76	19.4	2007	9 4 7		2.8	7077	1101	0163	0663	500	
17 07 79	9 . 8		0.1		6.6	-	29.5	13:50	1202	20	
62 10 66	1308	3.9	6.	300	12.5	2.0	10.5	Oici	1392	761	
57 10 61	11.6		7007		11.0	6.0	200	8101	1861	262	
52 TO 56	6.6		50.0	1	1202	9.0	200	214		297	
47 TO 51	1.		41.0	1364	0 .0	2.0	1.5	912	1	993	
42 TO 46	205		57.0	19.0	20.1			10	6 6 8	DET	
37 10 41	1005		6000	150				213	4.0	30	9
32 10 36			20.0	20.0						3.	7.
27 TO 31											
22 10 26											
17 TO 21											
12 TO 16											
7 10 11											
2 70 6											
-3 TO 1											
-8 10-4											
-13 TO -9											
-18 TO-14											
-23 TO-19											
-28 10-24											
-33 10-29											
-38 10-34											
-43 TO -39											
-48 TO-44											
-53 TO -49											
-58 TO -54											
-59 & LWR			, ,,	•							
TOTALS	4.6	2.0	0.07	2017	0.		0.0	1134	7 6 7		0.001 0421

2

	è	1	Ŗ	
	C		)	ij
1	2		۱	į
	3	,		
	C	١	ć	
Ì	L	ı	į	
)	u	,	١	
	•	¢	ľ	
1	u	١	j	
	3	į	ŧ	
	۰	۰	L	

93107 STATION

### PART F

### PRESSURE SUMMARY

for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding Presented in this part are two tables giving the means, standard deviations, and total number of observations to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page after those dates.

- 1. Station pressure in inches of mercury.
- 2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.

7	Fº	1050 OIB)	F	
3	31 (IM.HC)	24	F	
		84	E-	
1	E	- 3	F .	
3	F	4	F	
3	E	1	E	
	F-%	3	E.	
3	E	9	F	_
F 3	F	8-	E	FT.)
4	E _	4	=	
(1 0 0 0 'S FT.) 2	= 2	4	E_	
s =	E	1	=	S
0 3	F	3	E	0
0 1	E		E	0
E. a	F-8.	(8) d	F	0
1	F	1	F	_
= 4	E "	' 🖠	E	_
	27 28 2 8 9 8 5 8 8 5 8 5 8 8 5 8 8 5 8 8 8 8 8	' 를	F	
Eam	F-2 a	<b>,</b>	E_	W
_ 1	F 9	8.3	F	0
_ 1	E o	. 6	E	>
7 1	F	3	E	-
	58	1	-	_
8 4 3 1,	E	, ]	E	ALTITUDE (1000'S
- 1	F -	- =	F	_
- 1	Ena	820	E	4
4 2	25		Fo	
	3 24 25	J 3	E	
3	E 2	: ]	E	
巨。	E .	) ]	E.	
m =	E ~ a	[ 6	E	W
۵ ا	- <	(2)	E	œ
S U R E	E a	,	E	>
PRESSURE ALTITUDE (1000'S FT) 10 9 6 7 6 5 4 3 2 1 0 -1 10 10 10 10 10 10 10 10 10 10 10 10 10 1	20(IN. NG.) 21 22 23 24 25 26 27 28 29 30 31(IN.NG.)	(MB) 700 750 800 850 850 900 950 950 1000 1000 1050 0MB)	1 - 10 6 6 6 01 1	SURE
0	F	4	E	
PRES	F	4	E	PRES
œ -==	E	8-3	E-	œ
a =	F-2	~ 1	E	۵
=	E	3	E	
6-7	F	1	E.	
=	E	1	F	
1	F-2	4	E	
ا و	= 3	2	E	
- =	E =	1	F -	
= =	20 (IN. NG.) 21	(8.8)	E	
3	E~	= 3	E-	
			-	

# MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

73-77

MIRAMAR, CALIFORNIA

P3107

0

0

0

0

40

Machical   Machical															
NENN 29.57629.58929.51629.50729.46129.42129.44329.44329.44329.44329.58829.58829.58829.58929.58929.58929.58929.58929.58929.58929.599399999999999999999999999999999999	HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
USALORS   1959   1059   1059   1059   1050   1055   1054   1056   1056   1059   1050		MEAN	29.5762	19.5892	.516	9.507	9.461	9.421	9.443	9.449	9.436	9.495	9.538	9.58	9.50
NOTALONS   155   141   155   150   155		S. D.	000	800	80	.082	840	068	90	154	90.		980	.08	600
Michael   199   140   159   149   159   150   159	•	TOTAL OBS	•		3	1					1	-		-	82
NEAN   29.56629.59029.52129.59029.449029.44122.9.44129.42529.48229.5829.589   29.48   29.56629.58929.58029.5909   20.48   20.500   100					•		1	1		4	H	+	4		
S.D.   100   100   106   008   105   155   150   155   150   155   150   155   150   151   155   150   155   150   151   155   150   155   155   150		MEAN	29.5672	9.5662	.493	.490	9.448	9.412	9.436	9.441	9.425	9.483	9.528	9.56	9.48
TOTALORS   155   141   155   149   159   150   155   150   155   150   155   150   155   162	**	S. D.	001	100	106	82	190.	0690	090	.055	.066	.068	.094	60.	.09
*** 29.58629.59729.52129.52029.47529.443629.466829.466829.45127.506829.55229.5888 29.51    **********************************		TOTAL OBS	_	141	3		5	5	15	5	13	-	15	-	82
MEAN 29.58629.59029.52129.52029.47529.46429.46829.468129.50629.5529.588 29.51  MEAN 29.6229.59029.5129.52029.47529.4929.46429.46829.46829.5529.588 29.51  MEAN 29.6229.6102.099 103 082 006 005 155 156 150 152 160 1695 160 1695 160 160 160 160 160 160 160 160 160 160															
TOTALOSS 155 141 155 150 105 .058 .059 .059 .059 .069 .070 .095 .089 .099 .099 .099 .099 .099 .099 .099		MEAN	29.5862	19.5902	.521	9.520	9.475	6.43	9.464	9.468	9:451	9.508	9.552	8.6	9.51
MEAN 29.62229.61929.54429.54329.46429.47029.47729.46329.5329.57329.619 29.53  NEAN 29.62229.61929.554429.53329.46429.47029.47729.46329.53229.57329.619 29.53  S.D. 100 099 103 082 069 069 057 069 072 159 159 159 182  NEAN 29.55729.56929.51029.50929.47029.43329.45529.45629.43329.47629.557 29.49  NEAN 29.5729.55929.48729.46429.447029.4329.45529.45629.43329.47629.557 29.49  NEAN 29.5729.55329.48729.46429.447029.4329.45529.45629.43329.47629.577 29.47  NEAN 29.5729.57329.57329.50429.44529.41229.42829.40929.40929.547 29.47  NEAN 29.57329.57329.57429.49529.44729.41229.42829.40929.547 29.47  NEAN 29.57329.57329.57429.49529.44729.43129.43129.422229.48329.571 29.49  NEAN 29.59229.57329.57429.49529.44729.43129.43129.422.229.48329.571 29.49  NEAN 29.59229.57329.574929.45529.41729.43129.43129.422229.48329.571 29.49  NEAN 29.59229.57329.5729.49529.47729.43129.45729.48429.50329.5877 29.50  NEAN 29.59229.57329.5729.49529.47729.43129.45729.48429.50329.5877 29.50  NEAN 29.59229.57329.5729.64529.47729.43129.45729.48429.50329.58729.5877 29.50  NEAN 29.59229.57329.5729.5729.49529.45729.45729.45729.45729.45729.45729.58729.5877 29.50  NEAN 29.59229.59329.52529.51729.47729.43129.45729.45729.45729.45729.58729.58729.5877 29.50  NEAN 29.59229.59329.52529.5729.45729.45729.45729.45729.45729.45729.45729.58729.5877 29.50  NEAN 29.59229.57829.57259.5729.45729.45729.45729.45729.45729.45729.5977 29.50  NEAN 29.59229.57729.57729.45729.45729.45729.45729.45729.59729.58729.577 29.50  NEAN 29.59229.57729.57729.45729.45729.45729.45729.45729.45729.59729.5977 29.50  NEAN 29.59229.57729.57729.45729.45729.45729.45729.45729.45729.59729.5977 29.50  NEAN 29.59279.57729.57729.45729.45729.45729.45729.45729.59729.5977 29.50  NEAN 29.59279.57729.57729.45729.45729.45729.45729.45729.59729.5977 29.50  NEAN 29.59279.57729.57729.47729.47729.47729.47729.47729.47729.7729.	67	S. D.	.101	.100	.104	.08	990	.06	.05	0.5	8	6	60	08	0
MEAN 29.62229.61929.54429.53329.46429.44329.44729.44729.46329.52329.57329.619 29.53   S.D. 150 0.099 103 0.082 150 155 150 155 155 150 157 104 108 1182   S.D. 150 0.099 103 155 150 155 150 155 155 150 157 104 104 104 105 105 105 105 105 105 105 105 105 105		TOTAL OBS		141	-	5	-	15	15	15	15	-	13	-	82
S.D. 1022/2019 103 104 105 150 150 155 150 155 150 155 150 159 150 159 160 155 150 150 150 150 150 150 150 150 15		MEAN	20 400	6.4.0	K4.4	0.822	9.484	944	0.470	0.477	9.462	9.523	9.578	9.61	9.53
TOTALOSS 155 141 155 150 155 150 155 155 155 150 150			72700.7	7.100.23		200			200			-	-	**	
MEAN 29.55729.56929.51029.50929.47029.43329.45529.45629.43329.47629.52029.357 29.49  S. D. MEAN 29.55729.56929.51029.50929.47029.43329.45529.45629.43329.47629.52029.357 29.49  MEAN 29.54929.55329.48729.48429.44529.41229.42829.42829.40929.40929.50929.547 29.47  MEAN 29.54929.55329.48729.48429.44529.41229.42829.42829.42829.40929.40929.5997 29.47  MEAN 29.57329.57529.50429.49529.45529.41729.43129.42829.40929.40929.597 29.49  MEAN 29.57329.57529.50429.49529.45729.41729.43129.42829.40929.597 29.49  MEAN 29.57329.57529.50429.49529.45729.48729.45729.454429.50329.597 29.49  MEAN 29.57329.57529.50429.49529.45829.45729.45629.464429.50329.5577 29.49  MEAN 29.57329.57529.5929.52729.49529.45729.45629.45629.444429.50329.5577 29.49  MEAN 29.57329.57529.5929.52729.46529.44829.45729.45629.444429.50329.5577 29.49  MEAN 29.57329.58229.58229.51229.50729.46529.45729.45629.45029.454229.53829.577 29.50  S. D. O.	20	S. D.	==	660.	:	9	00	8	2	6	8		6	0	3
** P. ** P.		TOTAL OBS	-	141	15	2	-	3	5	*	3	-	-	-	95
S. D. 159 141 159 150 155 150		MARAN	30 KK 75	. S. 8 602		0.800	9.470	0 423	944	957.0	9.632	9.4.6	9.520	9.55	67.6
TOTALORS 155 141 155 150 155 150 155 150 155 150 155 150 155 150 155 150 155 162 162 162 162 155 150 150			7,000.7	20000	2	2							200		00
MEAN 29.57329.55329.48729.48429.44529.41229.42829.42829.42829.42829.50929.5097.5097.5097.5097.5097.5097.5097.509	13	S. D.		*00.	0	-	90	8	0	0	0	-	6	91	
MEAN 29.54929.55329.48729.48429.44529.41229.42829.42829.40929.46329.50929.547 29.47    NEAN 29.57329.55329.48729.48429.44529.41229.42829.42829.46329.46329.50929.547 29.49    NEAN 29.57329.57529.50429.49529.45529.41729.43129.43129.42229.48529.53429.571 29.49    NEAN 29.57329.57529.50429.49529.45529.41729.43129.43129.42129.48529.53429.571 29.49    NEAN 29.57329.57529.50429.49529.47929.43829.45729.45429.44429.50329.557 29.51    NEAN 29.57829.59329.52529.51929.47929.43829.45729.45429.44429.50329.557 29.50    NEAN 29.57829.58229.51229.50729.46529.45729.45629.45629.45629.495229.53829.577 29.50    NOTALOBS 1240 1128 1240 1199 1240 1200 1240 1200 1240 1200 1240 1400		TOTAL OBS	1	141	~	5	3	5	5	3	0	0	0	0	
S.D. 100 .092 .099 .076 .065 .067 .059 .058 .066 .069 .094 .086 .099 .074 .086 .067 .059 .058 .068 .099 .094 .086 .099 .058 .058 .069 .094 .086 .099 .058 .069 .094 .086 .099 .058 .069 .099 .099 .088 .088 .099 .057 .009 .099 .099 .099 .099 .099 .099 .09		NAM	20 84.00	. C. K. 2.2	487	9.484	9.44.8	0 412	9.428	804.0	0.400	9.403	9.500	9.54	19.6
MEAN 29.57329.57329.57329.57429.49529.41729.43129.43129.42229.48529.53429.571 29.49  S. D. 101 .092 .100 .078 .066 .068 .059 .057 .065 .069 .099 .088 .098  TOTALORS 159 141 155 150 155 150 155 155 150 155 150 155 150 155 162 .099 .088 .099  TOTALORS 159 141 155 150 155 150 155 150 155 150 159 150 159 150 155 162 .099 .088 .099  TOTALORS 159 141 155 150 155 150 155 150 155 150 159 150 159 150 159 160 .099  TOTALORS 159 141 155 150 155 150 155 150 155 150 159 150 159 160 .099  TOTALORS 159 141 155 150 155 150 155 150 155 150 159 150 159 160 .099  TOTALORS 1240 128 1240 1290 1240 1200 1240 1200 1240 1200 1240 124			246.7	2000				-	25.		***	040	1	4	0
MEAN 29.57329.57529.50429.49529.45529.41729.43129.43129.42229.48329.53429.571 29.49  S.D. 101 092 100 078 066 068 059 057 065 069 099 088 099  TOTALOBS 159 141 155 150 155 150 155 155 150 155 150 155 150 155 182  NEAN 29.59229.59329.52529.51929.47929.43829.45729.44429.50329.55029.587 29.51  S.D. 100 097 104 079 066 067 058 056 065 069 088 088 088  TOTALOBS 159 141 155 150 155 150 155 150 155 150 155 150 150	10	S. D.	.100	760.		-	00	00	•	20	5	) H	5		5
** S.D. ** 101 *** 092 *******************************		TOTAL OBS	-	141	*	3	3	5	5	5	5		3	-	82
S.D. 101 .092 .100 .078 .066 .059 .057 .065 .069 .099 .088 .099 .088 .099 .088 .099 .088 .099 .088 .099 .088 .099 .088 .099 .099		MEAN	20 K70	0 K7K	80.4	907.0	0.455	6.7	0.421	0.42.	0.422	9.485	9.836	79.95	67.0
TOTALOBS 155 141 155 150 155 150 155 155 150 155 150 155 150 155 150 155 182 182 182 182 182 182 182 182 182 182				200		278	040	0.48	080	3.5	200	690	000	80	00
MEAN 29.59229.59329.52529.51929.47929.43829.45729.45429.50329.55029.587 29.51	1.1	2011101			2	- 4						1			2
AMEAN 29.59229.59329.52529.51929.47929.43829.45729.45429.50329.55029.587 29.51		TO AL OBS		1		•	•	1	•	•	•	1	•		
S. D. 100 .097 .104 .079 .066 .067 .058 .056 .065 .069 .098 .086 .09  TOTALORS 155 141 155 150 155 150 155 150 159 150 159 150 158 182  MEAN 29.57829.58229.51229.50729.46529.42729.44829.45029.43629.49229.53829.577 29.50  S. D. 102 .098 .104 .081 .068 .069 .061 .059 .068 .071 .097 .090 .091  TOTALORS 1240 1128 1240 1199 1240 1200 1240 1240 1200 1240 1200 1240 1460		MEAN	29.592	19.5932	. 525	9.819	9.479	9.438	9.457	9.454	9.444	9.50	9.550	9.58	9.51
TOTALOBS 155 141 155 150 155 150 155 150 155 150 159 150 159 150 155 160 159 150 155 162 162 162 162 162 162 162 162 162 162	22	S. D.	2001	160.	.104	.079	990.	.067	.05	50	90	0	60.	90	60
MEAN 29.57829.58229.51229.50729.46529.42729.44829.45029.43629.49229.53829.577 29.50  S. D102 .098 .104 .081 .068 .069 .061 .059 .068 .071 .097 .090  TOTALOBS 1240 1128 1240 1199 1240 1200 1240 1240 1240 1240 1240 1240	;	TOTAL OBS		141	-	-	-	2	-	2	13	-	15	-	83
AEAN 29.57829.58229.51229.50729.46529.42729.44829.45029:43629.49229.53829.577 29.50  S. D 102 . 098 . 104 . 081 . 068 . 069 . 061 . 059 . 068 . 071 . 097 . 090  TOTALORS 1240 1128 1240 1199 1240 1200 1240 1240 1240 1240 1240 1240					1			1							
S.D. 102 .098 .104 .081 .068 .069 .061 .059 .068 .071 .097 .090 .09		1	29.5782	19.5822	512	9.507	9.465	9.427	9.448	9.450	9.436	9.492	9.538	9.5	9.50
TOTALOBS 1240 1128 1240 1199 1240 1200 1240 1240 1200 1240 1200 1240 1460	ALL		.102	860.	104	.081	.068	690	.06	059	0	071	.097		.00
	CANON			1128	24	19	-	20	124	24	N	24	20	N	0

0

10

0

0

# MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

73-77

MIRAMAR, CALIFORNIA

93107 STATION

0 40

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.		:	٥.	EC.	
	MEAN	1018.21018.610	1018.6	1 9	15.8	14.2	12.7	13.4	13.6	13.	15,2	2	18	
-	S. D.	3.456	3.395	626	2.818	2.344	2.338	2.138	1.897	2.19	2.355	3.282	3.07	.45
;	TOTAL OBS	155									1.5	15	15	
	MEAN	1017.81017.910	1017.9	5.3	15.2	13.7	12.4	13.1	13.3	12.	14.8	16.4	17.	13.
40	S. D.	3.470	3.439	663	2.832	2.308	2.356	2.107	1.934	2.262	2.339	3.278	3.094	3.434
,	TOTAL OBS	155	141	15	14	15	15	15	15	15	15	13	15	82
				1			1						-	
	MEAN	1018.6	1018.7		16.2	14.7	13.3	4.1	14.3	13.7	1015,7	1017.3	1018.6	1015.9
0	S. D.	3.503	3.482	*	2.836	32	30	2	-	35	.436	3.28	600	.39
	TOTAL OBS	155 141	141	5	15	15	-	5	15	15	12	-	3	82
					. , , ,	0 71.	2	2 7 2	4.0	7.0		910	010	410
	MEAN	1012-81012-0101	1017.0	0.		1401	13.0				-	•		-
20	S. D.	3.455	3.415	57	80	4		.03	1.995	0				3.545
	TOTAL OBS	155	141		150	15	13	155	13					83
	MEAN	1017.51017.9101	1017.9	5.9	15.8	14.4	1013.1	13.7	13.7	13.	14.5	6.1	17.	15.
13	S. D.	3.320	3.233	430	2.701	2.303	2,403	2.003	2.006		2.447	3.311	3.102	3.220
	TOTAL OBS	155	141	15	15	15	15	15	15	15	15	2	5	82
				1										
	MEAN	1017.1	1017.3	1.	15.0	13.6	12.3	12.8	12.8	12.	1461	5.7	11	1014.6
16	S. D.	3.447	3.161	102	2.63	231	2.342	2.061	2.05	50	2.38	.31	0	3.28
	TOTAL OBS	155 141	141	155	150	15	15	1.5			13	2	15	182
	MEAN	1018.0	1018.1		1015.3	13.9	1012.5	12.9	12.9	12.	14.8	16.6	17.	15.
61	S. D.	3.537	3.190		2.662	2.277	2.347	2	1.998	2.212	3	3.450	3.073	3.456
	TOTAL OBS	155 141 1	141	10	15	15	15	15	25	13	-	13	-	8
						0								
	MEAN	1018.7	1018.8		1010.2	14.0	1015.5	13.0	13.7		2007		10.	13.
22	S. D.	3.460	3.372	0	2.69		2.329	1.99	*	0	4 8	•		3.420
	BS	155 141 1	141	155		15				-	2	15	155	N
									•					
***	MEAN	1018.2	1018.4	•	1015.8	4.3	1012.9	3.5	1013.0	1013.1	101201	1010.8	1018.2	1015.5
HOLIBA	S. D.	3.533	3.396	0	2.79	.35	2.38	.10	.05	.33	.4.	.38	3.1	. 45
Door	TOTAL OBS	1240 1128 12	1128	1240	119	1240		1240	124	120	124	120	12	460

0: